

# ALTERNATIVE - Immunophenotyping ALTIMPC\_IMM\_002

## Parameters and Metadata

### ALTERNATIVE - Spleen weight ALTIMPC\_IMM\_001\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: g

Description: ALTERNATIVE - null

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### ALTERNATIVE - Live leukocytes (Panel A) - % of total events ALTIMPC\_IMM\_002\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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### ALTERNATIVE - T cells (Panel A) - % of live leukocytes (Panel A) ALTIMPC\_IMM\_003\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - NKT cells (panel A) - % of live leukocytes (Panel A)

ALTIMPC\_IMM\_004\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - NK cells (Panel A) - % of live leukocytes (Panel A)

ALTIMPC\_IMM\_005\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - CD4 T cells - % of live leukocytes (Panel A)

ALTIMPC\_IMM\_007\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - CD8+ T cells - % of live leukocytes (Panel A)

ALTIMPC\_IMM\_008\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - CD4+ NKT cells - % of live leukocytes (Panel A)

ALTIMPC\_IMM\_011\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - CD4- NKT cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_013\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Treg cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_014\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - CD4+ T helper cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_015\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Total events (Panel A)** ALTIMPC\_IMM\_026\_002 | v2  
.0  
simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Total events (Panel B)** ALTIMPC\_IMM\_027\_002 | v2  
.0  
simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Effector CD4+ T helper cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_028\_002 | v2.0  
simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Resting CD4+ T helper cells - % of live leukocytes (Panel A) ALTIMPC\_IMM\_029\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Effector CD8+ T cells - % of live leukocytes (Panel A) ALTIMPC\_IMM\_032\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Naïve CD8+ T cells - % of live leukocytes (Panel A) ALTIMPC\_IMM\_033\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Resting CD8+ T cells - % of live leukocytes (Panel A) ALTIMPC\_IMM\_034\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Effector CD4+ NKT cells - % of live leukocytes (Panel A) ALTIMPC\_IMM\_040\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Resting CD4+ NKT cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_041\_002 | v2.0

simpleParameter

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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**ALTERNATIVE - Effector CD4- NKT cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_046\_002 | v2.0

simpleParameter

Req. Analysis: false      Req. Upload: true      Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Resting CD4- NKT cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_047\_002 | v2.0

simpleParameter



Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - Live leukocytes (Panel B) - % of total events (Panel B) ALTIMPC\_IMM\_049\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Granulocytes - % of live leukocytes (Panel B) ALTIMPC\_IMM\_050\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Monocytes - % of live leukocytes (Panel B)

ALTIMPC\_IMM\_051\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - Eosinophils - % of live leukocytes (Panel B)

ALTIMPC\_IMM\_052\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - NK cells (Panel B) - % of live leukocytes (Panel B)

ALTIMPC\_IMM\_053\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - Ly6C+ CD11b- NK cells - % of live leukocytes (Panel B) ALTIMPC\_IMM\_054\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - Ly6C+ CD11b+ NK cells - % of live leukocytes (Panel B) ALTIMPC\_IMM\_055\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - CD11b- NK cells - % of live leukocytes (Panel B) ALTIMPC\_IMM\_056\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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**ALTERNATIVE - CD11b+ NK cells - % of live leukocytes  
(Panel B)** ALTIMPC\_IMM\_057\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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**ALTERNATIVE - NKT cells (panel B) - % of live  
leukocytes (Panel B)** ALTIMPC\_IMM\_058\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Ly6C+ NKT cells - % of live leukocytes  
(Panel B)** ALTIMPC\_IMM\_059\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - T cells (panel B) - % of live leukocytes (Panel B)

ALTIMPC\_IMM\_061\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - B cells - % of live leukocytes (Panel B)

ALTIMPC\_IMM\_063\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - Follicular B cells - % of B cells (Panel B)

ALTIMPC\_IMM\_067\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - Marginal zone B cells - % of B cells (Panel B)

ALTIMPC\_IMM\_071\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - Conventional DC - % of live leukocytes (Panel B)

ALTIMPC\_IMM\_072\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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**ALTERNATIVE - Plasmacytoid DC- % of live leukocytes  
(Panel B)** ALTIMPC\_IMM\_074\_002 | v2.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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**ALTERNATIVE - Macrophages- % of live leukocytes  
(Panel B)** ALTIMPC\_IMM\_075\_002 | v2.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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**ALTERNATIVE - Equipment name** ALTIMPC\_IMM\_077\_002 | v2.0

procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

**Description:** ALTERNATIVE - null

**Options:** FACS, Flow cytometer, Fortessa\_1, LSR II, Fortessa\_I Custom Build,

---

## ALTERNATIVE - Equipment manufacturer ALTIMPC\_IMM\_078\_002

| v2.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** BD Biosciences, Beckman Coulter, IntelliCyt, Cytex,

---

## ALTERNATIVE - Equipment model ALTIMPC\_IMM\_079\_002 | v2.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** BD LSR-II, BD LSRFortessa Cell Analyzer, CANTO-II, FACSAria III, Gallios, H47100123, iQue Screener PLUS, Aurora,

---

## ALTERNATIVE - CS&T Bead lot ALTIMPC\_IMM\_080\_002 | v2.0

procedureMetadata



**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

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## **ALTERNATIVE - Anesthesia** ALTIMPC\_IMM\_081\_002 | v2.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** Injection narcosis with Ketamine (100mg/kg)/Xylazine (10mg/kg),  
Injection narcosis with Sodium Pentobarbital (Somnopentyl),  
Injection narcosis with Tribromoethanol (Avertin), Isoflurane, none,  
Injection narcosis with Medetomidine/Midazolam/Butorphanol,

---

## **ALTERNATIVE - Cell digestion** ALTIMPC\_IMM\_082\_002 | v2.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE -

**Options:** GentleMACS, manual,

---

## ALTERNATIVE - Cell digestion agent ALTIMPC\_IMM\_083\_002 | v2.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE -

Options: Collagenase D, Collagenase II, Spleen dissociation kit, manual,

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## ALTERNATIVE - Cell digestion agent manufacturer ALTIMPC

\_IMM\_084\_002 | v2.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE -

Options: Gibco, Roche, Worthington, Miltenyi Biotec, manual, Sigma,

---

## ALTERNATIVE - Cell digestion agent catalog number ALTIM

PC\_IMM\_085\_002 | v2.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE -

Options: #11088858001, 17101-015, CLS2LS004176, 130-095-926, manual, C6885,

---

## ALTERNATIVE - Cell counting performed ALTIMPC\_IMM\_086\_002

| v2.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE -

Options: post-lysis, pre-lysis,

---

## ALTERNATIVE - Cell counting equipment manufacturer AL

TIMPC\_IMM\_087\_002 | v2.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: American Optical, BD Biosciences, Beckman Coulter, Life Technologies,  
Merck Millipore, Orflo, IntelliCyt, Nextcelom,

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## ALTERNATIVE - Cell counting equipment model ALTIMPC\_IM

M\_088\_002 | v2.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE -

**Options:** 4468770, Attune, BD LSR-II, Countess Automated Cell Counter, Gallios, Moxi Z, Reichert Brightline, Scepter, Cellometer Auto T4, iQue Screener PLUS,

---

**ALTERNATIVE - Cell counting equipment name** ALTIMPC\_IMM

\_089\_002 | v2.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** Cellometer Auto T4,

---

**ALTERNATIVE - Cell lysis buffer manufacturer** ALTIMPC\_IMM\_

090\_002 | v2.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** BD PharmLyse, eBioscience, Jax, JMC, LONZA, In house,

---

**ALTERNATIVE - Cell lysis buffer catalog number** ALTIMPC\_IMM\_091\_002 | v2.0  
procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE -

Options: 00-4300-54, 10-548E, 555899, home brew, In house,

---

**ALTERNATIVE - Date and time of sacrifice** ALTIMPC\_IMM\_092\_002 | v2.0  
procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Date and time of sample preparation** ALTIMPC\_IMM\_093\_002 | v2.0  
procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

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**ALTERNATIVE - Sample storage temperature until analysis (in Celsius)** ALTIMPC\_IMM\_094\_002 | v2.0

procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Unit Measured: C

Description: ALTERNATIVE - null

Options: 8,

---

**ALTERNATIVE - FCS repository reference (URL/ID)** ALTIMPC\_IMM\_095\_002 | v2.0

procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Balanced salt solution type** ALTIMPC\_IMM\_096\_002 | v2.0

procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

Options: HBSS, PBS, KDS BSS,

---

## ALTERNATIVE - Balanced salt solution manufacturer ALTIM

PC\_IMM\_097\_002 | v2.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE -

Options: Biochrom, Gibco, Life Technologies, Sigma, Wako, Wisent, home brew, In house,

---

## ALTERNATIVE - Balanced salt solution catalog number AL

TIMPC\_IMM\_098\_002 | v2.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE -

Options: 041-20211, 14175-095, 14190-144, D1408, H6136-1L, HBSS 1X 14170-088, L 182-10, home brew, 14190169, In house,

---

## ALTERNATIVE - RPMI manufacturer ALTIMPC\_IMM\_099\_002 | v2.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - null

**Options:** Gibco, Jax, Life Technologies, none used, Sigma, Wako, Thermo Fisher Scientific,

---

**ALTERNATIVE - RPMI catalog number** ALTIMPC\_IMM\_100\_002 | v2  
.0

[procedureMetadata](#)

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Description:** ALTERNATIVE -

**Options:** 11875-093, 11875-101, 189-02145, 31800-022, home brew, none used, R8758,

---

**ALTERNATIVE - DNase I manufacturer** ALTIMPC\_IMM\_101\_002 | v2  
.0

[procedureMetadata](#)

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** Sigma, Spleen Dissociation Kit, N/A,

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## ALTERNATIVE - DNase I catalog number ALTIMPC\_IMM\_102\_002

| v2.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: D8764, DN25, N/A, none used,

---

## ALTERNATIVE - Dead cell exclusion dye ALTIMPC\_IMM\_103\_002

| v2.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: DAPI, Propidium Iodide, Sytox Blue, Sytox Green, Zombie NIR,  
LIVE/DEAD Fixable Aqua stain, Ghost Dye UV450,

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## ALTERNATIVE - Dead cell exclusion dye manufacturer ALTI

MPC\_IMM\_104\_002 | v2.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

**Options:** Biolegend, home brew, Life Technologies, Sigma, Invitrogen by Thermo Fisher, Tonbo biosciences,

---

## ALTERNATIVE - Dead cell exclusion dye catalog number A

LTIMPC\_IMM\_105\_002 | v2.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** 423106, D9542, home brew, R37606, S-34860, S11348, S34857, P4170, L34966, 13-0868-T500,

---

## ALTERNATIVE - Cell digestion temperature (in Celsius) AL

TIMPC\_IMM\_106\_002 | v2.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE -

**Options:** 37, RT, N/A,

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## ALTERNATIVE - Panel A FCS file(s) ALTIMPC\_IMM\_107\_002 | v2.0

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE -

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## ALTERNATIVE - Panel B FCS file(s) ALTIMPC\_IMM\_108\_002 | v2.0

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE -

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## ALTERNATIVE - Automated analysis ALTIMPC\_IMM\_109\_002 | v2.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE -

Options: No, Yes,

---

## ALTERNATIVE - Collection buffer manufacturer ALTIMPC\_IMM

\_110\_002 | v2.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - null

**Options:** Life Technologies, BD Biosciences, Wako, home brew,

---

**ALTERNATIVE - Collection buffer catalog number number**

ALTIMPC\_IMM\_111\_002 | v2.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** 24020, 563503, 084-08965,

---

**ALTERNATIVE - FACS buffer manufacturer** ALTIMPC\_IMM\_112\_

002 | v2.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** Life Technologies, In house, Wako, home brew,

---

## ALTERNATIVE - FACS buffer catalog number ALTIMPC\_IMM\_1

13\_002 | v2.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: 14175, In house, 048-29805, home brew,

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## ALTERNATIVE - Enzyme buffer manufacturer ALTIMPC\_IMM\_1

14\_002 | v2.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: Life Technologies, N/A, Wako, Miltenyi Biotec,

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## ALTERNATIVE - Enzyme buffer catalog number ALTIMPC\_IMM

\_115\_002 | v2.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: 14025, N/A, 084-08965, 130-095-926,

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## ALTERNATIVE - Total spleen leukocyte count ALTIMPC\_IMM\_1

16\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

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## ALTERNATIVE - Clog- events (Panel A) ALTIMPC\_IMM\_117\_001 |

v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

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## ALTERNATIVE - FSC/SSC Singlets (Panel A) ALTIMPC\_IMM\_118

\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

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## ALTERNATIVE - Effector NK cells - % of live leukocytes (Panel A) ALTIMPC\_IMM\_119\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - Effector Treg cells - % of live leukocytes (Panel A) ALTIMPC\_IMM\_120\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - Effector T cells - % of live leukocytes (Panel A) ALTIMPC\_IMM\_121\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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**ALTERNATIVE - Klrg1+ CD4- NKT cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_122\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Klrg1+ CD4+ NKT cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_123\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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**ALTERNATIVE - Klrg1+ CD4+ T helper cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_124\_001 | v1.0



simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - Klrp1+ CD8 T cells - % of live leukocytes (Panel A) ALTIMPC\_IMM\_125\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

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## ALTERNATIVE - Klrp1+ NK cells - % of live leukocytes (Panel A) ALTIMPC\_IMM\_126\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Klrg1+ Treg cells - % of live leukocytes (Panel A)

ALTIMPC\_IMM\_127\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Klrg1+ T cells - % of live leukocytes (Panel A)

ALTIMPC\_IMM\_128\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Resting NK cells - % of live leukocytes (Panel A)

ALTIMPC\_IMM\_129\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Resting Treg cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_130\_001 | v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Resting T cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_131\_001 | v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - T cells - % of live leukocytes (Panel A)** ALTIMPC\_IMM\_132\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - T cells - % of live leukocytes (Panel A) AL

TIMPC\_IMM\_133\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - CD4- NKT cells - % of NKT cells (Panel A)

ALTIMPC\_IMM\_134\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - CD4+ NKT cells - % of NKT cells (Panel A)** ALTIMPC\_IMM\_135\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - CD4+ T cells - % of T cells** ALTIMPC\_IMM\_136\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - CD4+ T helper cells - % of CD4 T cells** ALTIMPC\_IMM\_137\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - CD8+ T cells - % of T cells ALTIMPC\_IMM\_138\_0

01 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Effector CD4- NKT cells - % of CD4- NKT cells ALTIMPC\_IMM\_139\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Effector CD4+ NKT cells - % of CD4+ NKT cells ALTIMPC\_IMM\_140\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Effector CD4+ T helper cells - % of CD4+ T helper cells** ALTIMPC\_IMM\_141\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Effector CD8+ T cells - % of CD8+ T cells**

ALTIMPC\_IMM\_142\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Effector NK cells - % of NK cells (Panel A)** ALTIMPC\_IMM\_143\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Effector Treg cells - % of Treg cells ALTIMP

C\_IMM\_144\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Effector T cells - % of T cells ALTIMPC\_IMM\_

145\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---



## ALTERNATIVE - Klrg1+ CD4- NKT cells - % of CD4- NKT cells

ALTIMPC\_IMM\_146\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Klrg1+ CD4+ NKT cells - % of CD4+ NKT cells

ALTIMPC\_IMM\_147\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Klrg1+ CD4+ T helper cells - % of CD4+ T helper cells

ALTIMPC\_IMM\_148\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Klrg1+ CD8 T cells - % of CD8+ T cells** ALT

IMPC\_IMM\_149\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Klrg1+ NK cells - % of NK cells (Panel A)**

ALTIMPC\_IMM\_150\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Klrg1+ Treg cells - % of Treg cells** ALTIMPC\_

IMM\_151\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Klrp1+ T cells - % of T cells** ALTIMPC\_IMM\_15  
2\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Naïve CD8+ T cells - % of CD8+ T cells** ALT  
IMPC\_IMM\_153\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Resting CD4- NKT cells - % of CD4- NKT cells

ALTIMPC\_IMM\_154\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Resting CD4+ NKT cells - % of CD4+ NKT cells

ALTIMPC\_IMM\_155\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Resting CD4+ T helper cells - % of CD4+ T helper cells

ALTIMPC\_IMM\_156\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Resting CD8+ T cells - % of CD8+ T cells

ALTIMPC\_IMM\_157\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Resting NK cells - % of NK cells (Panel A)

ALTIMPC\_IMM\_158\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Resting Treg cells - % of Treg cells

ALTIMPC\_IMM\_159\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Resting T cells - % of T cells** ALTIMPC\_IMM\_

160\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Treg cells - % of CD4 T cells** ALTIMPC\_IMM\_16

1\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Clog- events (Panel B)** ALTIMPC\_IMM\_162\_001 |

v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - FSC/SSC Singlets (Panel B)** ALTIMPC\_IMM\_163\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - B1a cells - % of B cells (Panel B)** ALTIMPC\_IMM\_164\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - B1b cells - % of B cells (Panel B)** ALTIMPC\_I

MM\_165\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - CD11b-high cDC - % of conventional DC (Panel B)** ALTIMPC\_IMM\_166\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

**ALTERNATIVE - CD11b-low cDC - % of conventional DC (Panel B)** ALTIMPC\_IMM\_167\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null



---

## ALTERNATIVE - CD161+ B cells - % of live leukocytes (Panel B) ALTIMPC\_IMM\_168\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Transitional 1 B cells - % of B cells (Panel B) ALTIMPC\_IMM\_169\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Transitional 2 B cells - % of B cells (Panel B) ALTIMPC\_IMM\_170\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - CD11b- NK cells - % of NK cells (Panel B)**

ALTIMPC\_IMM\_171\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - CD11b+ NK cells - % of NK cells (Panel B)**

ALTIMPC\_IMM\_172\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - CD161+ B cells - % of B cells**

ALTIMPC\_IMM\_173\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

-----

**ALTERNATIVE - Follicular B cells - % of B cells** ALTIMPC\_IMM  
\_174\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

-----

**ALTERNATIVE - Ly6C+ CD11b- NK cells - % of NK cells  
(Panel B)** ALTIMPC\_IMM\_175\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

-----

## ALTERNATIVE - Ly6C+ CD11b+ NK cells - % of NK cells (Panel B)

ALTIMPC\_IMM\_176\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Ly6C+ NKT cells - % of NKT cells (Panel B)

ALTIMPC\_IMM\_177\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Marginal zone B cells - % of B cells

ALTIMP

C\_IMM\_178\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Transitional 1 Bcells - % of B cells** ALTIMPC  
\_IMM\_179\_001 | v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Transitional 2 B cells - % of B cells** ALTIMP  
C\_IMM\_180\_001 | v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Unit Measured:** %

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - T cells (Panel A) - cell count** ALTIMPC\_IMM\_18  
1\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - T cells - cell count** ALTIMPC\_IMM\_182\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - CD8+ T cells - cell count** ALTIMPC\_IMM\_183\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## ALTERNATIVE - Effector CD8+ T cells - cell count ALTIMPC\_I

MM\_184\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Resting CD8+ T cells - cell count ALTIMPC\_I

MM\_185\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Naïve CD8+ T cells - cell count ALTIMPC\_IMM

\_186\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

**ALTERNATIVE - Klrp1+ CD8 T cells - cell count** ALTIMPC\_IMM  
\_187\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

**ALTERNATIVE - CD4 T cells - cell count** ALTIMPC\_IMM\_188\_001 |  
v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count



**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## ALTERNATIVE - CD4+ T helper cells - cell count ALTIMPC\_IM

M\_189\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## ALTERNATIVE - Effector CD4+ T helper cells - cell count A

LTIMPC\_IMM\_190\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## ALTERNATIVE - Resting CD4+ T helper cells - cell count <sup>A</sup>

LTIMPC\_IMM\_191\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Klrp1+ CD4+ T helper cells - cell count <sup>AL</sup>

TIMPC\_IMM\_192\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Treg cells - cell count <sup>AL</sup>

TIMPC\_IMM\_193\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

**ALTERNATIVE - Effector Treg cells - cell count** ALTIMPC\_IMM\_194\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

**ALTERNATIVE - Resting Treg cells - cell count** ALTIMPC\_IMM\_195\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## ALTERNATIVE - Klrp1+ Treg cells - cell count ALTIMPC\_IMM\_1

96\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - T cells - cell count ALTIMPC\_IMM\_197\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Effector T cells - cell count ALTIMPC\_IMM\_198

\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - Resting T cells - cell count** ALTIMPC\_IMM\_199\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - Klrp1+ T cells - cell count** ALTIMPC\_IMM\_200\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## ALTERNATIVE - NKT cells (panel A) - cell count ALTIMPC\_IMM

\_201\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - CD4+ NKT cells - cell count ALTIMPC\_IMM\_202

\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Effector CD4+ NKT cells - cell count ALTIM

PC\_IMM\_203\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Resting CD4+ NKT cells - cell count ALTIMP

C\_IMM\_204\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Klrp1+ CD4+ NKT cells - cell count ALTIMPC

\_IMM\_205\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

**ALTERNATIVE - CD4- NKT cells - cell count** ALTIMPC\_IMM\_206\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

**ALTERNATIVE - Effector CD4- NKT cells - cell count** ALTIMPC\_IMM\_207\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---



## ALTERNATIVE - Resting CD4- NKT cells - cell count ALTIMP

C\_IMM\_208\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Klrp1+ CD4- NKT cells - cell count ALTIMPC

\_IMM\_209\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - NK cells (Panel A) - cell count ALTIMPC\_IMM\_

210\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - Effector NK cells - cell count** ALTIMPC\_IMM\_211\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - Resting NK cells - cell count** ALTIMPC\_IMM\_212\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## ALTERNATIVE - Klrp1+ NK cells - cell count ALTIMPC\_IMM\_213\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - T cells (panel B) - cell count ALTIMPC\_IMM\_214\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - NKT cells (panel B) - cell count ALTIMPC\_IMM\_215\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - Ly6C+ NKT cells - cell count** ALTIMPC\_IMM\_216\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - NK cells (Panel B) - cell count** ALTIMPC\_IMM\_217\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - CD11b- NK cells - cell count** ALTIMPC\_IMM\_218\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - Ly6C+ CD11b- NK cells - cell count** ALTIMPC\_IMM\_219\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## ALTERNATIVE - CD11b+ NK cells - cell count ALTIMPC\_IMM\_22

0\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Ly6C+ CD11b+ NK cells - cell count ALTIMP

C\_IMM\_221\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - B cells - cell count ALTIMPC\_IMM\_222\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

**ALTERNATIVE - B1a cells - cell count** ALTIMPC\_IMM\_223\_001 | v1.

0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

**ALTERNATIVE - B1b cells - cell count** ALTIMPC\_IMM\_224\_001 | v1.

0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## ALTERNATIVE - Follicular B cells - cell count ALTIMPC\_IMM\_22

5\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Marginal zone B cells - cell count ALTIMPC\_I

MM\_226\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Transitional 1 B cells - cell count ALTIMPC\_I

MM\_227\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false



**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - Transitional 2 B cells - cell count** ALTIMPC\_I

MM\_228\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - CD161+ B cells - cell count** ALTIMPC\_IMM\_229\_

001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## ALTERNATIVE - Conventional DC - cell count ALTIMPC\_IMM\_2

30\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - CD11b-low cDC - cell count ALTIMPC\_IMM\_231

\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - CD11b-high cDC - cell count ALTIMPC\_IMM\_23

2\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - Plasmacytoid DC - cell count** ALTIMPC\_IMM\_2

33\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## **ALTERNATIVE - Macrophages - cell count** ALTIMPC\_IMM\_234\_0

01 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

**ALTERNATIVE - Monocytes - cell count** ALTIMPC\_IMM\_235\_001 |  
v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

**ALTERNATIVE - Granulocytes - cell count** ALTIMPC\_IMM\_236\_001  
| v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Unit Measured:** count

**Description:** ALTERNATIVE - null

**Derivation:** unimplemented()

---

## ALTERNATIVE - Eosinophils - cell count ALTIMPC\_IMM\_237\_001

| v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Unit Measured: count

Description: ALTERNATIVE - null

Derivation: unimplemented()

---

## ALTERNATIVE - Panel A anti-CD5 clone ALTIMPC\_IMM\_238\_001 |

v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Panel A anti-CD5 fluorochrome ALTIMPC\_IM

M\_239\_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: BV421, eF450,

---

## ALTERNATIVE - Panel A anti-CD5 RRID ALTIMPC\_IMM\_240\_001 |

v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: AB\_2737758, AB\_1603250,

---

## ALTERNATIVE - Panel A anti-CD4 clone ALTIMPC\_IMM\_241\_001 |

v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: RM4-5, GK1.5,

---

## ALTERNATIVE - Panel A anti-CD4 fluorochrome ALTIMPC\_IM

M\_242\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - null

**Options:** FITC, PO,

---

**ALTERNATIVE - Panel A anti-CD4 RRID** ALTIMPC\_IMM\_243\_001 |  
v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** AB\_394583, AB\_1474250, AB\_396633,

---

**ALTERNATIVE - Panel A anti-CD44 clone** ALTIMPC\_IMM\_244\_001  
| v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel A anti-CD44 fluorochrome** ALTIMPC\_I  
MM\_245\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: PE, BV650,

---

**ALTERNATIVE - Panel A anti-CD44 RRID** ALTIMPC\_IMM\_246\_001  
| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: AB\_394649, AB\_2562600, AB\_10895375,

---

**ALTERNATIVE - Panel A anti-CD8a clone** ALTIMPC\_IMM\_247\_001  
| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---



**ALTERNATIVE - Panel A anti-CD8a fluorochrome** ALTIMPC\_I

MM\_248\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: PE-CF594, APCeF780,

---

**ALTERNATIVE - Panel A anti-CD8a RRID** ALTIMPC\_IMM\_249\_001

| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: AB\_11152075, AB\_1272185,

---

**ALTERNATIVE - Panel A anti-CD25 clone** ALTIMPC\_IMM\_250\_001

| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Panel A anti-CD25 fluorochrome ALTIMPC\_I

MM\_251\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: PE-Cy7, APC,

---

## ALTERNATIVE - Panel A anti-CD25 RRID ALTIMPC\_IMM\_252\_001

| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: AB\_394509, AB\_398623, AB\_10562035,

---

## ALTERNATIVE - Panel A anti-CD161 clone ALTIMPC\_IMM\_253\_0

01 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Panel A anti-CD161 fluorochrome ALTIMPC\_

IMM\_254\_001 | v1.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: APC, PE, PE-Cy7,

---

## ALTERNATIVE - Panel A anti-CD161 RRID ALTIMPC\_IMM\_255\_001

| v1.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: AB\_398463, AB\_394677, AB\_394507,

---

## ALTERNATIVE - Panel A anti-CD62L clone ALTIMPC\_IMM\_256\_0

01 | v1.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel A anti-CD62L fluorochrome** ALTIMPC\_  
IMM\_257\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** APC-Cy7, PE-Cy7,

---

**ALTERNATIVE - Panel A anti-CD62L RRID** ALTIMPC\_IMM\_258\_001  
| v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** AB\_10611861, AB\_469633,

---

**ALTERNATIVE - Panel A Live/Dead stain** ALTIMPC\_IMM\_259\_001  
| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: PI, Aqua, Sytox Blue,

---

**ALTERNATIVE - Panel A additional maker 1 name** ALTIMPC\_I  
MM\_260\_001 | v1.0  
[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 1 clone** ALTIMPC\_  
IMM\_261\_001 | v1.0  
[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 1  
fluorochrome** ALTIMPC\_IMM\_262\_001 | v1.0

procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 1 RRID** ALTIMPC\_I  
MM\_263\_001 | v1.0

procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional maker 2 name** ALTIMPC\_I  
MM\_264\_001 | v1.0

procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 2 clone** ALTIMPC\_  
IMM\_265\_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 2  
fluorochrome** ALTIMPC\_IMM\_266\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 2 RRID** ALTIMPC\_I  
MM\_267\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional maker 3 name** ALTIMPC\_I  
MM\_268\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 3 clone** ALTIMPC\_  
IMM\_269\_001 | v1.0  
[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 3  
fluorochrome** ALTIMPC\_IMM\_270\_001 | v1.0  
[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 3 RRID** ALTIMPC\_I  
MM\_271\_001 | v1.0  
[procedureMetadata](#)



Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional maker 4 name** ALTIMPC\_I

MM\_272\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 4 clone** ALTIMPC\_

IMM\_273\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 4**

**fluorochrome** ALTIMPC\_IMM\_274\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 4 RRID** ALTIMPC\_I

MM\_275\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional maker 5 name** ALTIMPC\_I

MM\_276\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 5 clone** ALTIMPC\_I

IMM\_277\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 5  
fluorochrome** ALTIMPC\_IMM\_278\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel A additional marker 5 RRID** ALTIMPC\_I  
MM\_279\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel B anti-CD5 clone** ALTIMPC\_IMM\_280\_001 |  
v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

## ALTERNATIVE - Panel B anti-CD5 fluorochrome ALTIMPC\_IM

M\_281\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Panel B anti-CD5 RRID ALTIMPC\_IMM\_282\_001 |

v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Panel B anti-Ly6G clone ALTIMPC\_IMM\_283\_001

| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Panel B anti-Ly6G fluorochrome ALTIMPC\_IM

M\_284\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: BV421, BV785,

---

## ALTERNATIVE - Panel B anti-Ly6G RRID ALTIMPC\_IMM\_285\_001

| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: AB\_2737756, AB\_2566317,

---

## ALTERNATIVE - Panel B anti-CD19 clone ALTIMPC\_IMM\_286\_001

| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel B anti-CD19 fluorochrome** ALTIMPC\_I

MM\_287\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** BV510, PE-Cy7,

---

**ALTERNATIVE - Panel B anti-CD19 RRID** ALTIMPC\_IMM\_288\_001

| v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** AB\_2737915, AB\_394495,

---

**ALTERNATIVE - Panel B anti-Ly6C clone** ALTIMPC\_IMM\_289\_001

| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: AL-21, HK1.4,

---

## ALTERNATIVE - Panel B anti-Ly6c fluorochrome ALTIMPC\_IM

M\_290\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: FITC, PerCP Cy5.5,

---

## ALTERNATIVE - Panel B anti-Ly6c RRID ALTIMPC\_IMM\_291\_001 |

v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: AB\_394628, AB\_2723343,

---

**ALTERNATIVE - Panel B anti-CD21/35 clone** ALTIMPC\_IMM\_292\_001 | v1.0  
[procedureMetadata](#)

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Description:** ALTERNATIVE - null

-----

**ALTERNATIVE - Panel B anti-CD21/35 fluorochrome** ALTIMP  
C\_IMM\_293\_001 | v1.0  
[procedureMetadata](#)

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** PE, BV605,

-----

**ALTERNATIVE - Panel B anti-CD21/35 RRID** ALTIMPC\_IMM\_294\_001 | v1.0  
[procedureMetadata](#)

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** AB\_394532, AB\_2738048,

-----



**ALTERNATIVE - Panel B anti-CD11b clone** ALTIMPC\_IMM\_295\_001 | v1.0

[procedure](#)[Metadata](#)

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel B anti-CD11b fluorochrome** ALTIMPC\_IMM\_296\_001 | v1.0

[procedure](#)[Metadata](#)

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** PE-CF594, PerCP-Cy5.5,

---

**ALTERNATIVE - Panel B anti-CD11b RRID** ALTIMPC\_IMM\_297\_001 | v1.0

[procedure](#)[Metadata](#)

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** AB\_11154216, AB\_2033995,

---

## ALTERNATIVE - Panel B anti-CD11c clone ALTIMPC\_IMM\_298\_0

01 | v1.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

## ALTERNATIVE - Panel B anti-CD11c fluorochrome ALTIMPC\_

IMM\_299\_001 | v1.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: PE-Cy7, APC-Cy7,

---

## ALTERNATIVE - Panel B anti-CD11c RRID ALTIMPC\_IMM\_300\_001

| v1.0

[procedure](#)[Metadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - null

**Options:** AB\_647251, AB\_10611727,

---

**ALTERNATIVE - Panel B anti-CD161 clone** ALTIMPC\_IMM\_301\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel B anti-CD161 fluorochrome** ALTIMPC\_IMM\_302\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel B anti-CD161 RRID** ALTIMPC\_IMM\_303\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel B anti-MHCII clone** ALTIMPC\_IMM\_304\_001  
| v1.0  
[procedureMetadata](#)

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel B anti-MHCII fluorochrome** ALTIMPC\_I  
MM\_305\_001 | v1.0  
[procedureMetadata](#)

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** APC-eFluor(R) 780, BV650, APC-Cy7,

---

**ALTERNATIVE - Panel B anti-MHCII RRID** ALTIMPC\_IMM\_306\_001  
| v1.0  
[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: AB\_1548783, AB\_2565975, AB\_2069377,

---

**ALTERNATIVE - Panel B Live/Dead stain** ALTIMPC\_IMM\_307\_001  
| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

Options: PI, Aqua, Sytox Blue,

---

**ALTERNATIVE - Panel B additional maker 1 name** ALTIMPC\_I  
MM\_308\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 1 clone** ALTIMPC\_  
IMM\_309\_001 | v1.0

procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 1  
fluorochrome** ALTIMPC\_IMM\_310\_001 | v1.0

procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 1 RRID** ALTIMPC\_I  
MM\_311\_001 | v1.0

procedureMetadata

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional maker 2 name** ALTIMPC\_I  
MM\_312\_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 2 clone** ALTIMPC\_ IMM\_313\_001 | v1.0  
[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 2 fluorochrome** ALTIMPC\_IMM\_314\_001 | v1.0  
[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 2 RRID** ALTIMPC\_I MM\_315\_001 | v1.0  
[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional maker 3 name** ALTIMPC\_I  
MM\_316\_001 | v1.0  
[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 3 clone** ALTIMPC\_  
IMM\_317\_001 | v1.0  
[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 3  
fluorochrome** ALTIMPC\_IMM\_318\_001 | v1.0  
[procedureMetadata](#)



Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 3 RRID** ALTIMPC\_I

MM\_319\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional maker 4 name** ALTIMPC\_I

MM\_320\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 4 clone** ALTIMPC\_I

IMM\_321\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 4  
fluorochrome** ALTIMPC\_IMM\_322\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 4 RRID** ALTIMPC\_I  
MM\_323\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false      Req. Upload: false      Is Annotated: false

Description: ALTERNATIVE - null

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**ALTERNATIVE - Panel B additional maker 5 name** ALTIMPC\_I  
MM\_324\_001 | v1.0

[procedureMetadata](#)

Req. Analysis: false      Req. Upload: false      Is Annotated: false

**Description:** ALTERNATIVE - null

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**ALTERNATIVE - Panel B additional marker 5 clone** ALTIMPC\_  
IMM\_325\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 5  
fluorochrome** ALTIMPC\_IMM\_326\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

---

**ALTERNATIVE - Panel B additional marker 5 RRID** ALTIMPC\_I  
MM\_327\_001 | v1.0

[procedureMetadata](#)

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

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## ALTERNATIVE - Analysis results file

ALTIMPC\_IMM\_328\_001 | v1.0

mediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - A csv file with the analysis results for the mutant line

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