

# Mesenteric Lymph Node Immunophenotyping MGP\_MLN\_001

## Purpose

Mesenteric Lymph Node Immunophenotyping

## Parameters and Metadata

### Total T cells - % of CD45+ MGP\_MLN\_001\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: total\_t\_cells\_of\_cd45

---

### Total ab T cells - % of total T cells MGP\_MLN\_002\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: total\_ab\_t\_cells\_of\_total\_t\_cells

---

## Total CD4+ T cells - % of ab T cells MGP\_MLN\_003\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: total\_cd4\_t\_cells\_of\_ab\_t\_cells

---

## CD4+ T helper cells - % of CD4+ MGP\_MLN\_004\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: cd4\_t\_helper\_cells\_of\_cd4

---

## Effector CD4+ T helper cells - % of CD4+ T helper cells MG

P\_MLN\_005\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: effector\_cd4\_t\_helper\_cells\_of\_cd4\_t\_helper\_cells

---

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

\_MLN\_006\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: resting\_cd4\_t\_helper\_cells\_of\_cd4\_t\_helper\_cells

---

## KLRG1+ CD4+ T helper cells - % of CD4+ T helper cells MG

P\_MLN\_007\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: klrg1\_cd4\_t\_helper\_cells\_of\_cd4\_t\_helper\_cells

---

## Total Treg cells - % of CD4+ MGP\_MLN\_008\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: total\_treg\_cells\_of\_cd4

---

## Effector Treg cells - % of Treg MGP\_MLN\_009\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: effector\_treg\_cells\_of\_treg

---

## Resting Treg cells - % of Treg MGP\_MLN\_010\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: resting\_treg\_cells\_of\_treg

---

## KLRG1+ Treg cells - % of Treg MGP\_MLN\_011\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

**Description:** klrg1\_treg\_cells\_of\_treg

---

**Total CD8+ T cells - % of ab T cells** MGP\_MLN\_012\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** total\_cd8\_t\_cells\_of\_ab\_t\_cells

---

**Effector CD8+ T cells - % of CD8+** MGP\_MLN\_013\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** effector\_cd8\_t\_cells\_of\_cd8

---

**Resting CD8+ T cells - % of CD8+** MGP\_MLN\_014\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** resting\_cd8\_t\_cells\_of\_cd8

---

**Naive CD8+ T cells - % of CD8+** MGP\_MLN\_015\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** naive\_cd8\_t\_cells\_of\_cd8

---

**KLRG1+ CD8+ T cells - % of CD8+** MGP\_MLN\_016\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** klrg1\_cd8\_t\_cells\_of\_cd8

---

**Total gd T cells - % of total T cells** MGP\_MLN\_017\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** total\_gd\_t\_cells\_of\_total\_t\_cells

---

**CD5+ gd T cells - % of gd T cells** MGP\_MLN\_018\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** cd5\_gd\_t\_cells\_of\_gd\_t\_cells

---

**Effector gd T cells - % of gd T cells** MGP\_MLN\_019\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** effector\_gd\_t\_cells\_of\_gd\_t\_cells

---

**Resting gd T cells - % of gd T cells** MGP\_MLN\_020\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** resting\_gd\_t\_cells\_of\_gd\_t\_cells

---

**KLRG1+ gd T cells - % of gd T cells** MGP\_MLN\_021\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** klrg1\_gd\_t\_cells\_of\_gd\_t\_cells

---

**Total NKT cells - % of CD45+** MGP\_MLN\_022\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** total\_nkt\_cells\_of\_cd45

---

**Total CD4- NKT cells - % of NKT cells** MGP\_MLN\_023\_001 | v1.1

simpleParameter



**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** total\_cd4\_nkt\_cells\_of\_nkt\_cells

---

**Effector CD4- NKT cells - % of CD4- NKT cells** MGP\_MLN\_024\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** effector\_cd4\_nkt\_cells\_of\_cd4\_nkt\_cells

---

**Resting CD4- NKT cells - % of CD4- NKT cells** MGP\_MLN\_025\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** resting\_cd4\_nkt\_cells\_of\_cd4\_nkt\_cells

---

**KLRG1+ CD4- NKT cells - % of CD4- NKT cells** MGP\_MLN\_026\_

001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: klrg1\_cd4\_nkt\_cells\_of\_cd4\_nkt\_cells

---

**Total CD4+ NKT cells - % of NKT cells** MGP\_MLN\_027\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: total\_cd4\_nkt\_cells\_of\_nkt\_cells

---

**Effector CD4+ NKT cells - % of CD4+ NKT cells** MGP\_MLN\_028

\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: effector\_cd4\_nkt\_cells\_of\_cd4\_nkt\_cells

---

## Resting CD4+ NKT cells - % of CD4+ NKT cells MGP\_MLN\_029

\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: resting\_cd4\_nkt\_cells\_of\_cd4\_nkt\_cells

---

## KLRG1+ CD4+ NKT cells - % of CD4+ NKT cells MGP\_MLN\_030

\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: klrg1\_cd4\_nkt\_cells\_of\_cd4\_nkt\_cells

---

## Total NK cells - % of CD45+ MGP\_MLN\_031\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

**Description:** total\_nk\_cells\_of\_cd45

---

**Effector NK cells - % of NK cells** MGP\_MLN\_032\_001 | v1.1

simpleParameter

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

**Unit Measured:** %

**Description:** effector\_nk\_cells\_of\_nk\_cells

---

**Resting NK cells - % of NK cells** MGP\_MLN\_033\_001 | v1.1

simpleParameter

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

**Unit Measured:** %

**Description:** resting\_nk\_cells\_of\_nk\_cells

---

**KLRG1+ NK cells - % of NK cells** MGP\_MLN\_034\_001 | v1.1

simpleParameter

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

**Unit Measured:** %

**Description:** klrg1\_nk\_cells\_of\_nk\_cells

---

**Total B cells - % of CD45+** MGP\_MLN\_035\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** total\_b\_cells\_of\_cd45

---

**B1a cells - % of B cells** MGP\_MLN\_036\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** b1a\_cells\_of\_b\_cells

---

**Total B2 cells - % of B cells** MGP\_MLN\_037\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** total\_b2\_cells\_of\_b\_cells

---

**Marginal zone B cells - % of B2 cells** MGP\_MLN\_038\_001 | v1.1  
simpleParameter

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

**Unit Measured:** %

**Description:** marginal\_zone\_b\_cells\_of\_b2\_cells

---

**Marginal zone precursor B cells - % of B2 cells** MGP\_MLN\_039\_001 | v1.1  
simpleParameter

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

**Unit Measured:** %

**Description:** marginal\_zone\_precursor\_b\_cells\_of\_b2\_cells

---

**Transitional 1 B cells - % of B2 cells** MGP\_MLN\_040\_001 | v1.1  
simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** transitional\_1\_b\_cells\_of\_b2\_cells

---

**Transitional 2 B cells - % of B2 cells** MGP\_MLN\_041\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** transitional\_2\_b\_cells\_of\_b2\_cells

---

**Follicular B cells - % of B2 cells** MGP\_MLN\_042\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** follicular\_b\_cells\_of\_b2\_cells

---

**Germinal centre B cells - % of B2 cells** MGP\_MLN\_043\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** germinal\_centre\_b\_cells\_of\_b2\_cells

---

**Early germinal centre B cells - % of B2 cells** MGP\_MLN\_044\_001  
| v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** early\_germinal\_centre\_b\_cells\_of\_b2\_cells

---

**Late germinal centre B cells - % of B2 cells** MGP\_MLN\_045\_001 |  
v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Unit Measured:** %

**Description:** late\_germinal\_centre\_b\_cells\_of\_b2\_cells

---



## Plasma cells - % of B2 cells MGP\_MLN\_046\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: plasma\_cells\_of\_b2\_cells

---

## Memory B cells - % of B2 cells MGP\_MLN\_047\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: memory\_b\_cells\_of\_b2\_cells

---

## B2 marginal zone + precursor cells - % of B2 cells MGP\_MLN\_048\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: b2\_marginal\_zone\_precursor\_cells\_of\_b2\_cells

---

## B2 t1 + t2 cells - % of B2 cells MGP\_MLN\_049\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: b2\_t1\_t2\_cells\_of\_b2\_cells

---

## B2 t3 + f1 + f2 + gc cells - % of B2 cells MGP\_MLN\_050\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: b2\_t3\_f1\_f2\_gc\_cells\_of\_b2\_cells

---

## Total myeloid cells - % of CD45+ MGP\_MLN\_051\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: total\_myeloid\_cells\_of\_cd45

---

## Macrophages - % of myeloid cells MGP\_MLN\_052\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: macrophages\_of\_myeloid\_cells

---

## Granulocytes + monocytes - % of myeloid cells MGP\_MLN\_053\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: granulocytes\_monocytes\_of\_myeloid\_cells

---

## Granulocytes - % of myeloid cells MGP\_MLN\_054\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: granulocytes\_of\_myeloid\_cells

---

## Monocytes - % of myeloid cells MGP\_MLN\_055\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: monocytes\_of\_myeloid\_cells

---

## Eosinophils - % of myeloid cells MGP\_MLN\_056\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: eosinophils\_of\_myeloid\_cells

---

## Total DC - % of myeloid cells MGP\_MLN\_057\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: total\_dc\_of\_myeloid\_cells

---

## Plasmacytoid DC - % of DC MGP\_MLN\_058\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: plasmacytoid\_dc\_of\_dc

---

## Conventional DC (cDC) - % of DC MGP\_MLN\_059\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: conventional\_dc\_cdc\_of\_dc

---

## CD11b-high cDC - % of cDC MGP\_MLN\_060\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: conventional\_cd11b\_type\_dc\_of\_cdc

---

## CD11b-low cDC - % of cDC MGP\_MLN\_061\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: conventional\_cd8a\_type\_dc\_of\_cdc

---

## CD103+ CD11b-low cDC - % of CD11b-low cDC MGP\_MLN\_062\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

Unit Measured: %

Description: cd103\_cd8a\_type\_dc\_of\_cd8\_type\_cdc

---

## Total ab T cells - % of CD45+ MGP\_MLN\_063\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

**Description:** total\_ab\_t\_cells\_of\_cd45

---

**Total CD4+ T cells - % of CD45+** MGP\_MLN\_064\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** total\_cd4\_t\_cells\_of\_cd45

---

**CD4+ T helper cells - % of CD45+** MGP\_MLN\_065\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** cd4\_t\_helper\_cells\_of\_cd45

---

**Effector CD4+ T helper cells - % of CD45+** MGP\_MLN\_066\_001 | v1

.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** effector\_cd4\_t\_helper\_cells\_of\_cd45

---

**Resting CD4+ T helper cells - % of CD45+** MGP\_MLN\_067\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** resting\_cd4\_t\_helper\_cells\_of\_cd45

---

**KLRG1+ CD4+ T helper cells - % of CD45+** MGP\_MLN\_068\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** klrg1\_cd4\_t\_helper\_cells\_of\_cd45

---

**Total Treg cells - % of CD45+** MGP\_MLN\_069\_001 | v1.0

simpleParameter



**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** total\_treg\_cells\_of\_cd45

---

## **Effector Treg cells - % of CD45+** MGP\_MLN\_070\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** effector\_treg\_cells\_of\_cd45

---

## **Resting Treg cells - % of CD45+** MGP\_MLN\_071\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** resting\_treg\_cells\_of\_cd45

---

## **KLRG1+ Treg cells - % of CD45+** MGP\_MLN\_072\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** klrg1\_treg\_cells\_of\_cd45

---

## Total CD8+ T cells - % of CD45+ MGP\_MLN\_073\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** total\_cd8\_t\_cells\_of\_cd45

---

## Effector CD8+ T cells - % of CD45+ MGP\_MLN\_074\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** effector\_cd8\_t\_cells\_of\_cd45

---

**Resting CD8+ T cells - % of CD45+** MGP\_MLN\_075\_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: resting\_cd8\_t\_cells\_of\_cd45

---

**Naive CD8+ T cells - % of CD45+** MGP\_MLN\_076\_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: naive\_cd8\_t\_cells\_of\_cd45

---

**KLRG1+ CD8+ T cells - % of CD45+** MGP\_MLN\_077\_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: klrg1\_cd8\_t\_cells\_of\_cd45

---

## Total gd T cells - % of CD45+ MGP\_MLN\_078\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: total\_gd\_t\_cells\_of\_cd45

---

## CD5+ gd T cells - % of CD45+ MGP\_MLN\_079\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: cd5\_gd\_t\_cells\_of\_cd45

---

## Effector gd cells - % of CD45+ MGP\_MLN\_080\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: effector\_gd\_cells\_of\_cd45

---

## Resting gd T cells - % of CD45+ MGP\_MLN\_081\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: resting\_gd\_t\_cells\_of\_cd45

---

## KLRG1+ gd T cells - % of CD45+ MGP\_MLN\_082\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: klr1\_gd\_t\_cells\_of\_cd45

---

## Total CD4- NKT cells - % of CD45+ MGP\_MLN\_083\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: total\_cd4\_nkt\_cells\_of\_cd45

---

## Effector CD4- NKT cells - % of CD45+ MGP\_MLN\_084\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: effector\_cd4\_nkt\_cells\_of\_cd45

---

## Resting CD4- NKT cells - % of CD45+ MGP\_MLN\_085\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: resting\_cd4\_nkt\_cells\_of\_cd45

---

## KLRG1+ CD4- NKT cells - % of CD45+ MGP\_MLN\_086\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: klrg1\_cd4\_nkt\_cells\_of\_cd45

---

## Total CD4+ NKT cells - % of CD45+ MGP\_MLN\_087\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: total\_cd4\_nkt\_cells\_of\_cd45

---

## Effector CD4+ NKT cells - % of CD45+ MGP\_MLN\_088\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: effector\_cd4\_nkt\_cells\_of\_cd45

---

## Resting CD4+ NKT cells - % of CD45+ MGP\_MLN\_089\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: resting\_cd4\_nkt\_cells\_of\_cd45

---

## KLRG1+ CD4+ NKT cells - % of CD45+ MGP\_MLN\_090\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: klrg1\_cd4\_nkt\_cells\_of\_cd45

---

## Effector NK cells - % of CD45+ MGP\_MLN\_091\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: effector\_nk\_cells\_of\_cd45

---

## Resting NK cells - % of CD45+ MGP\_MLN\_092\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: resting\_nk\_cells\_of\_cd45



---

## KLRG1+ NK cells - % of CD45+ MGP\_MLN\_093\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: klrp1\_nk\_cells\_of\_cd45

---

## B1a cells - % of CD45+ MGP\_MLN\_094\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: b1a\_cells\_of\_cd45

---

## Total B2 cells - % of CD45+ MGP\_MLN\_095\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: total\_b2\_cells\_of\_cd45

---

## Marginal zone B cells - % of CD45+ MGP\_MLN\_096\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: marginal\_zone\_b\_cells\_of\_cd45

---

## Marginal zone precursor B cells - % of CD45+ MGP\_MLN\_097\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: marginal\_zone\_precursor\_b\_cells\_of\_cd45

---

## Transitional 1 B cells - % of CD45+ MGP\_MLN\_098\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

**Description:** transitional\_1\_b\_cells\_of\_cd45

---

**Transitional 2 B cells - % of CD45+** MGP\_MLN\_099\_001 | v1.0

simpleParameter

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

**Unit Measured:** %

**Description:** transitional\_2\_b\_cells\_of\_cd45

---

**Follicular B cells - % of CD45+** MGP\_MLN\_100\_001 | v1.0

simpleParameter

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

**Unit Measured:** %

**Description:** follicular\_b\_cells\_of\_cd45

---

**Germinal centre B cells - % of CD45+** MGP\_MLN\_101\_001 | v1.0

simpleParameter

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

**Unit Measured:** %

**Description:** germinal\_centre\_b\_cells\_of\_cd45

---

**Early germinal centre B cells - % of CD45+** MGP\_MLN\_102\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** early\_germinal\_centre\_b\_cells\_of\_cd45

---

**Late germinal centre B cells - % of CD45+** MGP\_MLN\_103\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** late\_germinal\_centre\_b\_cells\_of\_cd45

---

**Plasma cells - % of CD45+** MGP\_MLN\_104\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** plasma\_cells\_of\_cd45

---

**Memory B cells - % of CD45+** MGP\_MLN\_105\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** memory\_b\_cells\_of\_cd45

---

**B2 marginal zone + precursor cells - % of CD45+** MGP\_MLN\_106\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Unit Measured:** %

**Description:** b2\_marginal\_zone\_precursor\_cells\_of\_cd45

---

**B2 t1 + t2 cells - % of CD45+** MGP\_MLN\_107\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: b2\_t1\_t2\_cells\_of\_cd45

---

**B2 t3 + f1+ f2 + gc cells - % of CD45+** MGP\_MLN\_108\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: b2\_t3\_f1\_f2\_gc\_cells\_of\_cd45

---

**Macrophages - % of CD45+** MGP\_MLN\_109\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: macrophages\_of\_cd45

---

**Granulocytes + monocytes - % of CD45+** MGP\_MLN\_110\_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: granulocytes\_monocytes\_of\_cd45

---

**Granulocytes - % of CD45+** MGP\_MLN\_111\_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: granulocytes\_of\_cd45

---

**Monocytes - % of CD45+** MGP\_MLN\_112\_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: monocytes\_of\_cd45

---

## Eosinophils - % of CD45+ MGP\_MLN\_113\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: eosinophils\_of\_cd45

---

## Total DC - % of CD45+ MGP\_MLN\_114\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: total\_dc\_of\_cd45

---

## Plasmacytoid DC - % of CD45+ MGP\_MLN\_115\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: plasmacytoid\_dc\_of\_cd45

---



## Conventional DC (cDC) - % of CD45+ MGP\_MLN\_116\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: conventional\_dc\_of\_cd45

---

## CD11b-high cDC - % of CD45+ MGP\_MLN\_117\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: conventional\_cd11b\_type\_dc\_of\_cd45

---

## CD11b-low cDC - % of CD45+ MGP\_MLN\_118\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: conventional\_cd8a\_type\_dc\_of\_cd45

---

---

## CD103+ CD11b-low cDC - % of CD45+ MGP\_MLN\_119\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Unit Measured: %

Description: cd103\_cd8a\_type\_dc\_of\_cd45

---

## T cell panel CD45+ live cell count MGP\_MLN\_120\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: t\_cell\_panel\_cd45\_live\_cell\_count

---

## B cell panel CD45+ live cell count MGP\_MLN\_121\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: b\_cell\_panel\_cd45\_live\_cell\_count

---

## Myeloid panel CD45+ live cell count MGP\_MLN\_122\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: myeloid\_panel\_cd45\_live\_cell\_count

---

## Total T cells - cell count MGP\_MLN\_123\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: total\_t\_cells\_cell\_count

---

## Total ab T cells - cell count MGP\_MLN\_124\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: total\_ab\_t\_cells\_cell\_count

---

## Total CD4+ T cells - cell count MGP\_MLN\_125\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Description:** total\_cd4\_t\_cells\_cell\_count

---

## **CD4+ T helper cells - cell count** MGP\_MLN\_126\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** cd4\_t\_helper\_cells\_cell\_count

---

## **Effector CD4+ T helper cells - cell count** MGP\_MLN\_127\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** effector\_cd4\_t\_helper\_cells\_cell\_count

---

## **Resting CD4+ T helper cells - cell count** MGP\_MLN\_128\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** resting\_cd4\_t\_helper\_cells\_cell\_count

---

## KLRG1+ CD4+ T helper cells - cell count MGP\_MLN\_129\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: klrp1\_cd4\_t\_helper\_cells\_cell\_count

---

## Total Treg cells - cell count MGP\_MLN\_130\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: total\_treg\_cells\_cell\_count

---

## Effector Treg cells - cell count MGP\_MLN\_131\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: effector\_treg\_cells\_cell\_count

---

# Resting Treg cells - cell count MGP\_MLN\_132\_001 | v1.0

simpleParameter

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

Description: resting\_treg\_cells\_cell\_count

---

# KLRG1+ Treg cells - cell count MGP\_MLN\_133\_001 | v1.0

simpleParameter

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

Description: klrg1\_treg\_cells\_cell\_count

---

# Total CD8+ T cells - cell count MGP\_MLN\_134\_001 | v1.0

simpleParameter

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

Description: total\_cd8\_t\_cells\_cell\_count

---

# Effector CD8+ T cells - cell count MGP\_MLN\_135\_001 | v1.0

simpleParameter

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

**Description:** effector\_cd8\_t\_cells\_cell\_count

---

## Resting CD8+ T cells - cell count MGP\_MLN\_136\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** resting\_cd8\_t\_cells\_cell\_count

---

## Naive CD8+ T cells - cell count MGP\_MLN\_137\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** naive\_cd8\_t\_cells\_cell\_count

---

## KLRG1+ CD8+ T cells - cell count MGP\_MLN\_138\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** klrg1\_cd8\_t\_cells\_cell\_count

---

## Total gd T cells - cell count MGP\_MLN\_139\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: total\_gd\_t\_cells\_cell\_count

---

## CD5+ gd T cells - cell count MGP\_MLN\_140\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: cd5\_gd\_t\_cells\_cell\_count

---

## Effector gd T cells - cell count MGP\_MLN\_141\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: effector\_gd\_t\_cells\_cell\_count

---

## Resting gd T cells - cell count MGP\_MLN\_142\_001 | v1.0

simpleParameter



Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: resting\_gd\_t\_cells\_cell\_count

---

## KLRG1+ gd T cells - cell count MGP\_MLN\_143\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: klrg1\_gd\_t\_cells\_cell\_count

---

## Total NKT cells - cell count MGP\_MLN\_144\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: total\_nkt\_cells\_cell\_count

---

## Total CD4- NKT cells - cell count MGP\_MLN\_145\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: total\_cd4\_nkt\_cells\_cell\_count

---

## Effector CD4- NKT cells - cell count MGP\_MLN\_146\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: effector\_cd4\_nkt\_cells\_cell\_count

---

## Resting CD4- NKT cells - cell count MGP\_MLN\_147\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: resting\_cd4\_nkt\_cells\_cell\_count

---

## KLRG1+ CD4- NKT cells - cell count MGP\_MLN\_148\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: klrg1\_cd4\_nkt\_cells\_cell\_count

---

## Total CD4+ NKT cells - cell count MGP\_MLN\_149\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: total\_cd4\_nkt\_cells\_cell\_count

---

## Effector CD4+ NKT cells - cell count MGP\_MLN\_150\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: effector\_cd4\_nkt\_cells\_cell\_count

---

## Resting CD4+ NKT cells - cell count MGP\_MLN\_151\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: resting\_cd4\_nkt\_cells\_cell\_count

---

## KLRG1+ CD4+ NKT cells - cell count MGP\_MLN\_152\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Description:** klrg1\_cd4\_nkt\_cells\_cell\_count

---

**Total NK cells - cell count** MGP\_MLN\_153\_001 | v1.0

simpleParameter

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

**Description:** total\_nk\_cells\_cell\_count

---

**Effector NK cells - cell count** MGP\_MLN\_154\_001 | v1.0

simpleParameter

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

**Description:** effector\_nk\_cells\_cell\_count

---

**Resting NK cells - cell count** MGP\_MLN\_155\_001 | v1.0

simpleParameter

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

**Description:** resting\_nk\_cells\_cell\_count

---

## KLRG1+ NK cells - cell count MGP\_MLN\_156\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: klr1\_nk\_cells\_cell\_count

---

## Total B cells - cell count MGP\_MLN\_157\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: total\_b\_cells\_cell\_count

---

## B1a cells - cell count MGP\_MLN\_158\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: b1a\_cells\_cell\_count

---

## Total B2 cells - cell count MGP\_MLN\_159\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: total\_b2\_cells\_cell\_count

---

## Marginal zone B cells - cell count MGP\_MLN\_160\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: marginal\_zone\_b\_cells\_cell\_count

---

## Marginal zone precursor B cells - cell count MGP\_MLN\_161\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: marginal\_zone\_precursor\_b\_cells\_cell\_count

---

## Transitional 1 B cells - cell count MGP\_MLN\_162\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Description:** transitional\_1\_b\_cells\_cell\_count

---

## **Transitional 2 B cells - cell count** MGP\_MLN\_163\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** transitional\_2\_b\_cells\_cell\_count

---

## **Follicular B cells - cell count** MGP\_MLN\_164\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** follicular\_b\_cells\_cell\_count

---

## **Germinal centre B cells - cell count** MGP\_MLN\_165\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** germinal\_centre\_b\_cells\_cell\_count

---

## Early germinal centre B cells - cell count MGP\_MLN\_166\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: early\_germinal\_centre\_b\_cells\_cell\_count

---

## Late germinal centre B cells - cell count MGP\_MLN\_167\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: late\_germinal\_centre\_b\_cells\_cell\_count

---

## Plasma cells - cell count MGP\_MLN\_168\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: plasma\_cells\_cell\_count

---

## Memory B cells - cell count MGP\_MLN\_169\_001 | v1.0



simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: memory\_b\_cells\_cell\_count

---

## B2 marginal zone + precursor cells - cell count MGP\_MLN\_170\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: b2\_marginal\_zone\_precursor\_cells\_cell\_count

---

## B2 t1 + t2 cells - cell count MGP\_MLN\_171\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: b2\_t1\_t2\_cells\_cell\_count

---

## B2 t3 + f1+ f2 + gc cells - cell count MGP\_MLN\_172\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Description:** b2\_t3\_f1\_f2\_gc\_cells\_cell\_count

---

## Total myeloid cells - cell count MGP\_MLN\_173\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** total\_myeloid\_cells\_cell\_count

---

## Macrophages - cell count MGP\_MLN\_174\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** macrophages\_cell\_count

---

## Granulocytes + monocytes - cell count MGP\_MLN\_175\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** granulocytes\_monocytes\_cell\_count

---

## Granulocytes - cell count MGP\_MLN\_176\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: granulocytes\_cell\_count

---

## Monocytes - cell count MGP\_MLN\_177\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: monocytes\_cell\_count

---

## Eosinophils - cell count MGP\_MLN\_178\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: eosinophils\_cell\_count

---

## Total DC - cell count MGP\_MLN\_179\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** total\_dc\_cell\_count

---

## Plasmacytoid DC - cell count MGP\_MLN\_180\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** plasmacytoid\_dc\_cell\_count

---

## Conventional DC (cDC) - cell count MGP\_MLN\_181\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** conventional\_dc\_cell\_count

---

## CD11b-high cDC - cell count MGP\_MLN\_182\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** conventional\_cd11b\_type\_dc\_cell\_count

---

## CD11b-low cDC - cell count MGP\_MLN\_183\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: conventional\_cd8a\_type\_dc\_cell\_count

---

## CD103+ CD11b-low cDC - cell count MGP\_MLN\_184\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: cd103\_cd8a\_type\_dc\_cell\_count

---

## T cell panel singlets cell count MGP\_MLN\_185\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: t\_cell\_panel\_singlets\_cell\_count

---

## B cell panel singlets cell count MGP\_MLN\_186\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: b\_cell\_panel\_singlets\_cell\_count

---

## Myeloid panel singlets cell count MGP\_MLN\_187\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: myeloid\_panel\_singlets\_cell\_count

---

## T cell panel live cell count MGP\_MLN\_188\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: t\_cell\_panel\_live\_cell\_count

---

## B cell panel live cell count MGP\_MLN\_189\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Description:** b\_cell\_panel\_live\_cell\_count

---

**Myeloid panel live cell count** MGP\_MLN\_190\_001 | v1.0

simpleParameter

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

**Description:** myeloid\_panel\_live\_cell\_count

---

**T cell panel lymphocyte gate cell count** MGP\_MLN\_191\_001 | v1.0

simpleParameter

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

**Description:** t\_cell\_panel\_lymphocyte\_gate\_cell\_count

---

**B cell panel lymphocyte gate cell count** MGP\_MLN\_192\_001 | v1.0

simpleParameter

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

**Description:** b\_cell\_panel\_lymphocyte\_gate\_cell\_count

---

## Myeloid panel lymphocyte gate cell count MGP\_MLN\_193\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: myeloid\_panel\_lymphocyte\_gate\_cell\_count

---

## 3i T cell panel MGP\_MLN\_194\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: 3i\_t\_cell\_panel

### Options:

(C) CD45 Qdot605, CD5 BV510, TCRd PE-Cy7, CD8a AF700, CD4 BV786, CD161 BV650, CD44 FITC, CD62L PerCP-Cy5.5, CD25 APC, KLRG1 BV421, GITR PE, Live/dead near IR,  
(A) CD45 NC605, TCRb AF700, TCRd PE-Cy7, CD8a BV510, CD4 BV786, CD161 BV650, CD44 FITC, CD62L PerCP-Cy5.5, CD25 APC, KLRG1 BV421, GITR PE,  
(B) CD45 NC605, TCRb AF700, TCRd PE-Cy7, CD8a BV510, CD4 BV786, CD161 BV650, CD44 FITC, CD62L PerCP-Cy5.5, CD25 APC, KLRG1 BV421, GITR PE, Live/dead near IR,  
(D) failed,

---

## 3i B cell panel MGP\_MLN\_195\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false



**Description:** 3i\_b\_cell\_panel

**Options:**

(B) CD45 NC605, B220 AF700, CD19 BV786, CD5 BV510, CD21/35 FITC, CD23 BV421, GL-7 AF647, IgM PE-Cy7, IgD PerCP-Cy5.5, CD93 PE, CD138 BV650, Live/dead near IR,  
(A) CD45 NC605, B220 AF700, CD19 BV786, CD5 BV510, CD21/35 FITC, CD23 BV421, GL-7 PE, IgM PE-Cy7, CD93 PerCP-Cy5.5, CD138 BV650, Live/dead near IR,  
(C) CD45 Qdot605, B220 AF700, CD5 BV510, CD21/35 FITC, CD23 BV421, GL-7 AF647, IgM BV786, IgD PerCP-Cy5.5, IgG1 PE, CD95 PE-Cy7, CD138 BV650, Live/dead near IR,  
(D) failed,

---

## 3i Myeloid panel MGP\_MLN\_196\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** 3i\_myeloid\_panel

**Options:**

(B) CD45 Qdot605, CD11c BV786, CD11b BV510, F4/80 PerCP-Cy5.5, CD103 PE, CD317 BV650, CD86 PE-Cy7, MHC II FITC, Ly6C AF700, Ly6G APC, Dump (CD3, CD19, CD161) BV421, Live/dead near IR,  
(A) CD45 NC605, CD11c BV711, CD11b BV510, F4/80 PerCP-Cy5.5, CD103 PE, CD317 APC, CD86 PE-Cy7, MHC II FITC, Gr1 AF700, Dump (CD3, CD19, CD161) BV421, Live/dead near IR,  
(C) failed,

---

## Tissue dissociation method MGP\_MLN\_197\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** tissue\_dissociation\_method

**Options:** Pestle, GentleMACS, Centrifugation,

---

## Collagenase digestion MGP\_MLN\_198\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** collagenase\_digestion

**Options:** Yes, No,

---

## Buffers and enzymes MGP\_MLN\_199\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** buffers\_and\_enzymes

**Options:** IMPC, pre-IMPC,

---

## FACS sample status MGP\_MLN\_200\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** facs\_sample\_status

**Options:** Fresh, Fixed, Analysed next day unfixed, Prepared next day, analysed fresh,

---

## **FACS equipment name** MGP\_MLN\_201\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** facs\_equipment\_name

**Options:** Flow cytometer,

---

## **FACS equipment manufacturer** MGP\_MLN\_202\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** facs\_equipment\_manufacturer

**Options:** Beckton Dickinson, Beckman Coulter,

---

## **FACS equipment model** MGP\_MLN\_203\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** facs\_equipment\_model

**Options:** LSR Fortessa X20, LSR II, FC500,

---

## Comments MGP\_MLN\_204\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** comments

---

## Anesthesia used for blood collection MGP\_MLN\_205\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Options:** Injection narcosis with Ketamine (100mg/kg)/Xylazine (10mg/kg),  
Injection narcosis with Tribromoethanol (Avertin),

---

## Images associated with FACS analysis MGP\_MLN\_206\_001 | v1.0

seriesMediaParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** Optional series media parameter

-----