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

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

Unit Measured: %

Description: total_ab_t_cells_of_total_t_cells

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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

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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

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

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KLRG1+ CD8+ T cells - % of CD8+ MGP_MLN_016_001 | v1.1

simpleParameter

Reg. Analysis: false Reg. 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

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

Unit Measured: %						
Description: resting_gd_t_cells_of_gd_t_cells						
KLRG1+ gd T cells simpleParameter	- % of gd T cells MG	GP_MLN_021_001 v1.1				
Req. Analysis: false	Req. Upload: true	Is Annotated: true				
Unit Measured: %						
Description: klrg1_gd_t_cells_of_gd_t_cells						
Total NKT colls - %	of CD451 MCD MIN (200, 004 Lud 4				
simpleParameter	of CD45+ MGP_MLN_0	J22_001 V1.1				
Req. Analysis: false	Req. Upload: true	Is Annotated: true				
Unit Measured: %						

Total CD4- NKT cells - % of NKT cells MGP_MLN_023_001 | v1.1

simpleParameter

Description: total_nkt_cells_of_cd45

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_0

01 | v1.1

simpleParameter

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

Unit Measured: %

Description: resting_cd4_nkt_cells_of_cd4_nkt_cells

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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

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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

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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
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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

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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

Reg. Analysis: false Reg. 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

Unit Measured: %		
Description: total_b2_cells	s_of_b_cells	
Marginal zone B simpleParameter	cells - % of B2 cel	IS MGP_MLN_038_001 v1.1
Req. Analysis: false	Req. Upload: true	Is Annotated: true
Unit Measured: %		
Description: marginal_zor	ne_b_cells_of_b2_cells	
Marginal zone pr _001 v1.1 simpleParameter	ecursor B cells - %	% of B2 cells MGP_MLN_039
Req. Analysis: false	Req. Upload: true	Is Annotated: true
Unit Measured: %		
Description: marginal_zor	ne_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: %

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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

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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_05

3_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

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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

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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

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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

Unit Measured: %

Description: effector_cd4_t_helper_cells_of_cd45

Resting CD4+ T helper cells - % of CD45+ MGP_MLN_067_001 | v1

simpleParameter

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

Unit Measured: %

Description: resting_cd4_t_helper_cells_of_cd45

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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

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

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

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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

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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

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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: klrg1_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

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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

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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

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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: klrg1_nk_cells_of_cd45

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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

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Marginal zone B cells - % of CD45+ MGP_MLN_096_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: marginal_zone_b_cells_of_cd45

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Marginal zone precursor B cells - % of CD45+ MGP_MLN_097_0

01 | v1.0

simpleParameter

Reg. Analysis: false Reg. 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

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Germinal centre B cells - % of CD45+ MGP_MLN_101_001 | v1.0

simpleParameter

Unit Measured: %		
Description: germinal_ce	entre_b_cells_of_cd45	
Early garminal	contro P colls º/ o	F CD45 I MOD MIN 400 004 I
v1.0	centre b cens - % o	f CD45+ MGP_MLN_102_001
simpleParameter		
Req. Analysis: false	Req. Upload: true	Is Annotated: false
Unit Measured: %		
Description: early_germi	nal_centre_b_cells_of_cd45	
Late germinal co	entre B cells - % of	CD45+ MGP_MLN_103_001 v1
.0		CD43+ MGP_MEN_103_001 VI
simpleParameter		
Req. Analysis: false	Req. Upload: true	Is Annotated: false
Unit Measured: %		

Plasma cells - % of CD45+ MGP_MLN_104_001 | v1.0

Description: late_germinal_centre_b_cells_of_cd45

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_1

06_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: b2_marginal_zone_precursor_cells_of_cd45

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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

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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

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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

Reg. Analysis: false Reg. 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

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

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Effector CD4+ T helper cells - cell count MGP_MLN_127_001 | v1.

0

simpleParameter

Reg. Analysis: false Reg. 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:** klrg1_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

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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

Description: effector_cd8_t_c			
	lls - cell count MGP_N		
Req. Analysis: false	Req. Upload: true	Is Annotated: false	
Description: resting_cd8_t_cd	ells_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_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_cell	s_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

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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

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Resting gd T cells - cell count MGP_MLN_142_001 | v1.0

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

Description: resting_gd_t_cells_cell_count

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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

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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 Reg. Analysis: false Reg. 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

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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

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_ce	ell_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 - osimpleParameter	cell count MGP_MLN_1	55_001 v1.0	
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: klrg1_nk_cells_cell_count

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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

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Total B2 cells - cell count MGP MLN 159 001 | v1.0

Req. Analysis: false	Req. Upload: true	Is Annotated: false
Description: total_b2_cells_c	eell_count	
Marginal zone B ce simpleParameter	ells - cell count MGP_	MLN_160_001 v1.0
Req. Analysis: false	Req. Upload: true	Is Annotated: false
Description: marginal_zone_	b_cells_cell_count	
-	cursor 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		

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

simpleParameter

Description: transitional_1_b_cells_cell_count			
Transitional 2 B ce	lls - cell count MGP	MLN 163 001 Lv1 0	
simpleParameter		WEN_100_001 V1.0	
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		

.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 Reg. Analysis: false Reg. 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

Early germinal centre B cells - cell count MGP_MLN_166_001 | v1

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

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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

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B2 t3 + f1+ f2 + gc cells - cell count MGP_MLN_172_001 | v1.0

simpleParameter

Description: b2_t3_f1_f2_gc_cells_cell_count			
Total myeloid cells simpleParameter	- cell count mgp_mln	N_173_001 v1.0	
Req. Analysis: false	Req. Upload: true	Is Annotated: false	
Description: total_myeloid_ce	ells_cell_count		
Macrophages - cell	Count MGP_MLN_174_0	001 v1.0	
simpleParameter			
Req. Analysis: false	Req. Upload: true	Is Annotated: false	
Description: macrophages_cell_count			
Granulocytes + mo	onocytes - cell coun	t MGP_MLN_175_001 v1.0	
Req. Analysis: false	Req. Upload: true	Is Annotated: false	
Description: granulocytes_mo	onocytes_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 Reg. Analysis: false Reg. Upload: true Is Annotated: false Description: eosinophils_cell_count

Total DC - cell count MGP MLN 179 001 | v1.0

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 Reg. Analysis: false Reg. 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 - cosimpleParameter	ell count MGP_MLN_18	3_001 v1.1	
Req. Analysis: false	Req. Upload: true	Is Annotated: false	
Description: conventional_cd	8a_type_dc_cell_count		
CD103+ CD11b-low simpleParameter	CDC - cell count Mo	GP_MLN_184_001 v1.1	
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_sing	glets_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

Description: b_cell_panel_live_cell_count			
Myeloid panel live	cell count MGP_MLN_1	90_001 v1.0	
simpleParameter			
Req. Analysis: false	Req. Upload: true	Is Annotated: false	
Description: myeloid_panel_l	live_cell_count		
T cell panel lympho	ocyte gate cell cour	1t 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 lymph simpleParameter	ocyte gate cell cou	nt MGP_MLN_192_001 v1.0	
Req. Analysis: false	Req. Upload: true	Is Annotated: false	
Description: b_cell_panel_lyr	mphocyte_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

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

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

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

procedure Metadata

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

Reg. Analysis: false **Reg. 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

Description: Optional series media parameter	

Req. Upload: false Is Annotated: false

Req. Analysis: false