Buffy coat peripheral blood leukocyte immunophenotyping MGP_BCI_001

Purpose

Buffy coat peripheral blood leukocyte immunophenotyping

Procedure

Mice were fed on Mouse Breeder Diet (5021, Labdiet) from weaning

Analysis is performed on the buffy coat obtained from heparinised blood after red blood cell lysis for the following parameters: Percentages of total T cells (CD3⁺), CD4⁺ and CD8⁺ T cells, NKT cells (CD3⁺ CD161⁺), NK cells (CD3-CD161⁺), B cells (CD19⁺), Granulocytes (CD11b⁺ Gr1⁺) and Monocytes (CD11b⁺ Gr1^{dim/neg} CD161⁻) are presented relative to the total viable CD45+ population.

Percentages of CD44^{hi} CD62L^{lo} CD4⁺ T cells and CD25+ regulatory T cells are presented relative to the total CD4⁺ T cell population.

Percentages of effector of CD44^{hi} CD62L^{lo} CD8⁺ T cells and mature IgD⁺ B cells are presented relative to the total CD8⁺ T cell and B cell populations respectively.

All samples are acquired on a BD LSR II with dead cells excluded with the use of a viability indicator.

All analysis is performed using FlowJo software.

Parameters and Metadata

T cell CD3+ percentage MGP_BCI_001_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: t cell cd3 percentage

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T cell CD4+ percentage MGP_BCI_002_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: t_cell_cd4_percentage

Treg cell CD25+ percentage MGP_BCI_003_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: treg_cell_cd25_percentage

T cell CD8+ percentage MGP_BCI_004_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: t_cell_cd8_percentage

NK cell percentage MGP_BCI_005_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: nk_cell_percentage

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NKT cell percentage MGP_BCI_006_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: nkt_cell_percentage

CD4+CD44+CD62L- percentage MGP_BCI_007_001 | v1.0

simpleParameter

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

Unit Measured: %

Description: cd4_cd44_cd62	l_percentage			
CD8+CD44+CD62L- percentage MGP_BCI_008_001 v1.0				
simpleParameter		,		
Req. Analysis: false	Req. Upload: false	Is Annotated: true		
Unit Measured: %				
Description: cd8_cd44_cd62	l_percentage			
B cell CD19+ percentage MGP_BCI_009_001 v1.0				
simpleParameter				
Req. Analysis: false	Req. Upload: true	Is Annotated: true		
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Unit Measured: %				
Description: b_cell_cd19_percentage				
	0			

Mature B cell IgD+ percentage MGP_BCI_010_001 | v1.0

simpleParameter

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

Unit Measured: %		
Description: mature_b_cell_	igd_percentage	
Granulocyte Gr1+ simpleParameter	percentage MGP_BCI_	_011_001 v1.0
Req. Analysis: false	Req. Upload: true	Is Annotated: true
Unit Measured: %		
Description: granulocyte_gr	1_percentage	
Monocyte percent simpleParameter	age MGP_BCI_012_001 \	/1.0
Req. Analysis: false	Req. Upload: true	Is Annotated: true
Unit Measured: %		
Description: monocyte_perc	entage	

Equipment manufacturer MGP_BCI_013_001 | v1.0

procedureMetadata

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

Description: equipment_manufacturer Options: BD Biosciences, Beckman Coulter, Equipment model MGP_BCI_014_001 | v1.0 procedureMetadata Req. Analysis: true Req. Upload: true **Is Annotated:** false **Description:** equipment_model Options: LSR II, FC500, Anesthesia used for blood collection MGP_BCI_015_001 | v1.0 procedureMetadata Req. Analysis: true Req. Upload: true Is Annotated: false **Description:** anesthesia_used_for_blood_collection Options: Injection narcosis with Ketamine (100mg/kg)/Xylazine (10mg/kg),

Comment MGP_BCI_016_001 | v1.0

Injection narcosis with Tribromoethanol (Avertin),

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