

Monocyte CD4 mRNA and Protein Expression Analysis

Repository ID: FR-FCM-ZZC7

MIFlowCyt score: 100.00%

Primary researcher: Chip Lomas

PI/manager: Emily Park

Uploaded by: Chip Lomas

Experiment dates: 2014-04-07 - 2014-04-08

Dataset uploaded: May 2014

Organizations: BD Biosciences, Research and Development, San Jose, CA (USA)

Purpose:

CD14 protein costaining with RNA flow cytometry. The purpose was confirm monocytes as CD4 mRNA high and CD4 protein low, relative to lymphocyte population.

Conclusion:

CD14+ population (monocytes) was confirmed as CD4 protein low and CD4 mRNA high by RNA flow cytometry with protein costaining. Results were further supported through imaging results.

Quality control:

Instrument was setup using CST with FACSDiva software.

Experiment variables

Conditions

Protein Staining Only

- PBMC_CD4_Protein_Stained.fcs
- PBMC_CD4_Protein_Unstained.fcs

RNA with Protein Costaining

- PBMC_CD4_RNA_Protein_Stained.fcs
- PBMC_CD4_RNA_Protein_Unstained.fcs

Sample Type

· PBMC

- PBMC_CD4_Protein_Stained.fcs
- PBMC_CD4_RNA_Protein_Stained.fcs
- PBMC no target probe added negative control or unstained
 - PBMC_CD4_Protein_Unstained.fcs
 - PBMC_CD4_RNA_Protein_Unstained.fcs