For Research Use Only

Human CD14 Magnetic Beads Kit

Catalog Number: KMS005

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Description

CD14 is a surface antigen expressed on monocyte/macrophage. It cooperates with other proteins to mediate innate immune response to bacterial LPS. 5%-10% human peripheral blood mononuclear cells (PBMC) express CD14. Human CD14 Magnetic Beads Kit is used for isolation or depletion of human CD14 monocytes/macrophages from PBMC, whole blood, or other sample types. Following incubation with biotinylated human CD14 antibody and Streptavidin magnetic beads, the cell sample is placed on a magnet. CD14+ cells remain attached to magnetic beads after separation and can be used for downstream applications, such as in cell expansion. CD14- cells remain in supernatant and can also be used for further applications.

Components

KMS005-10:
- MS001-10: 100μL 10mg/mL streptavidin magnetic beads
- MS65246-10: 100μL 0.1mg/mL Biotin-CD14 (clone: 26IC)

KMS005-100:
- MS001-100: 1mL 10mg/mL streptavidin magnetic beads
- MS65246-100: 1mL 0.1mg/mL Biotin-CD14 (clone: 26IC)

Package

10test/100test

Storage

2-8°C

Storage buffer

PBS, pH7.4, 0.2% BSA and 0.05% Sodium Azide

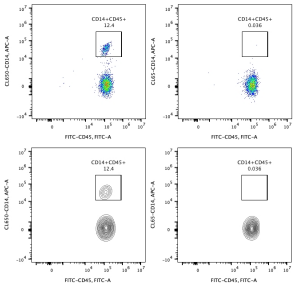
Reactivity

Human

Recommend usage

10μL Biotin-CD14 antibody and 10μL streptavidin beads for $1*10^7$ cells.

Results



Representative example of depletion: Following cell separation, cell suspension was stained with FITC-CD45(F10-89-4) and CL650-CD14(UCHM1) antibodies. All viable cells are gated in the analysis. Left panel: CD14+CD45+ cells before selection. Right panel: CD14+CD45+ cells after depletion. Human CD14 magnetic beads kit is... tested using PBMC from three donors.