For Research Use Only

Human CD16 Magnetic Beads Kit

Catalog Number: KMS006

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Description

CD16, which is also known as Fc RIII, is a receptor for the Fc portion of IgG and is involved in antibody dependent cellular cytotoxicity. 5%-10% human peripheral blood mononuclear cells (PBMC) express CD16. Human CD16 Magnetic Beads Kit is used for isolation or depletion of human CD16 NK cells/monocytes from PBMC, whole blood, or other sample types. Following incubation with biotinylated human CD16 antibody and Streptavidin magnetic beads, the cell sample is placed on a magnet. CD16+ cells remain attached to magnetic beads after separation and can be used for downstream applications, such as in cell expansion. CD16- cells remain in supernatant and can also be used for further applications.

Components

KMS006-10:
- MS001-10: 100μL 10mg/mL streptavidin magnetic beads
- MS65090-10: 100μL 0.1mg/mL Biotin-CD16 (clone: 3G8)

KMS006-100:
- MS001-100: 1mL 10mg/mL streptavidin magnetic beads
- MS65090-100: 1mL 0.1mg/mL Biotin-CD16 (clone: 3G8)

Package

10test/100test

Storage

2-8°C

Storage buffer

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

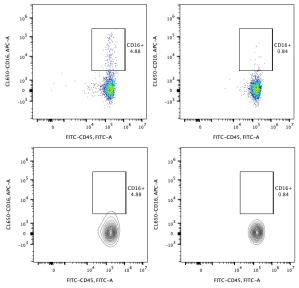
Reactivity

Human

Recommend usage

10μL Biotin-CD16 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-CD16(3G8) antibodies. All viable cells are gated in the analysis. Left panel: CD16+CD45+ cells before selection. Right panel: CD16+CD45+ cells after depletion. Human CD16 magnetic beads kit is... tested using PBMC from three donors.