For Research Use Only

# Human CD11b Magnetic Beads Kit

Catalog Number: KMS007

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## Description

CD11b is the -chain of integrin receptor CD11b/CD18 (also known as M 2, Mac-1, and CR3), is highly expressed on the surface of innate immune cells, including macrophages, neutrophils, eosinophils and basophils. Human CD11b Magnetic Beads Kit is used for isolation or depletion of human CD11b monocytes/macrophages from PBMC, whole blood, or other sample types. Following incubation with biotinylated human CD11b antibody and Streptavidin magnetic beads, the cell sample is placed on a magnet. CD11b+ cells remain attached to magnetic beads after separation and can be used for downstream applications, such as in cell expansion. CD11b- cells remain in supernatant and can also be used for further applications.

## Components

KMS007-10:
- MS001-10: 100μL 10mg/mL streptavidin magnetic beads
- MS65116-10: 100μL 0.1mg/mL Biotin-CD11b (clone: ICRF44)

KMS007-100:
- MS001-100: 1mL 10mg/mL streptavidin magnetic beads
- MS65116-100: 1mL 0.1mg/mL Biotin-CD11b (clone: ICRF44)

## Package

10test/100test

## Storage

2-8°C

## Storage buffer

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

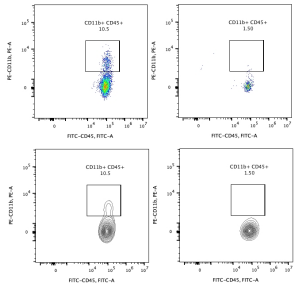
## Reactivity

Human

## Recommend usage

10μL Biotin-CD11b 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 PE-CD11b(ICRF44) antibodies. All viable cells are gated in the analysis. Left panel: CD11b+CD45+ cells before selection. Right panel: CD11b+CD45+ cells after depletion. Human CD11b magnetic beads are... tested using PBMC from three donors.