

Human CD4 Magnetic Beads

Catalog Number: MS003

Description

CD4 is a coreceptor with T cell receptor on T lymphocytes to recognize antigens displayed by an antigen presenting cell in the context of class II MHC molecules. 25%-65% human lymphocytes are CD4 positive. Human CD4 Magnetic Beads are used for isolation or depletion of human CD4 T lymphocytes from PBMC, whole blood, or other sample types. Following incubation with human CD4 antibody conjugated magnetic beads, the cell sample is placed on a magnet. CD4+ cells remain attached to magnetic beads after separation and can be used for downstream applications, such as in cell expansion, but are not suitable for flow cytometry analysis. CD4- cells remain in supernatant and can also be used for further applications.

Components

MS003-10: 100 µL 10 mg/mL Human CD4 Magnetic Beads
 MS003-100: 1 mL 10 mg/mL Human CD4 Magnetic Beads

Package

10 test/100 test

Storage

2-8°C

Storage buffer

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

Reactivity

Human

Recommend usage

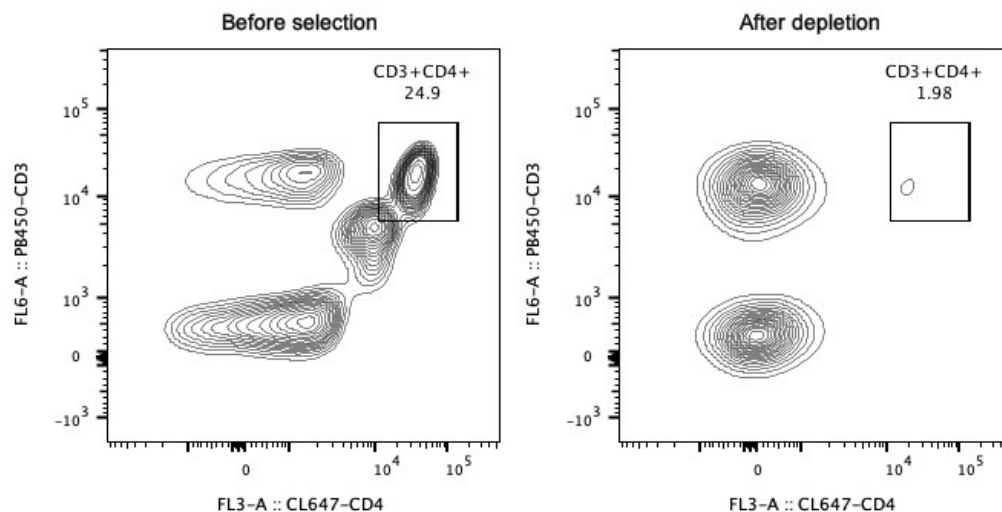
10 µL Human CD4 Magnetic Beads for 1×10^7 cells

Beads Diameter

2.7 µm

Results

Representative example of enrichment and depletion



Following depletion of CD4+ cells, supernatant cell suspension was stained with PB450-CD3(clone: HIT3a) and CL647-CD4(clone: OKT4) antibodies. CD45 positive cells are gated in the analysis. Left panel: CD3+CD4+ cells before selection. Right panel: CD3+CD4+ cells after depletion. Human CD4 antibody conjugated magnetic beads are tested using PBMC from three donors.

For technical support and original validation data for this product please contact:

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