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Human CD3 magnetic beads

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Catalog Number:MS002

Description

CD3 is a multimeric protein associated with T cell receptor (TCR) to form a complex involved in antigen recognition and signal transduction. 45%-70% human peripheral blood mononuclear cells (PBMC) express CD3. Human CD3 Magnetic Beads are used for isolation or depletion of human CD3 T lymphocytes from PBMC, whole blood, or other sample types. Following incubation with human CD3 antibody conjugated magnetic beads, the cell sample is placed on a magnet. CD3+ cells remain attached to magnetic beads after separation and can be used for further downstream applications, such as in cell expansion, but not suitable for flow cytometry analysis. CD3- cells remain in supernatant and could also be used for further applications.

Components

MS002-10: 200 µL 10 mg/mL Human CD3 Magnetic Beads
MS002-100: 2 x 1 mL 10 mg/mL Human CD3 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

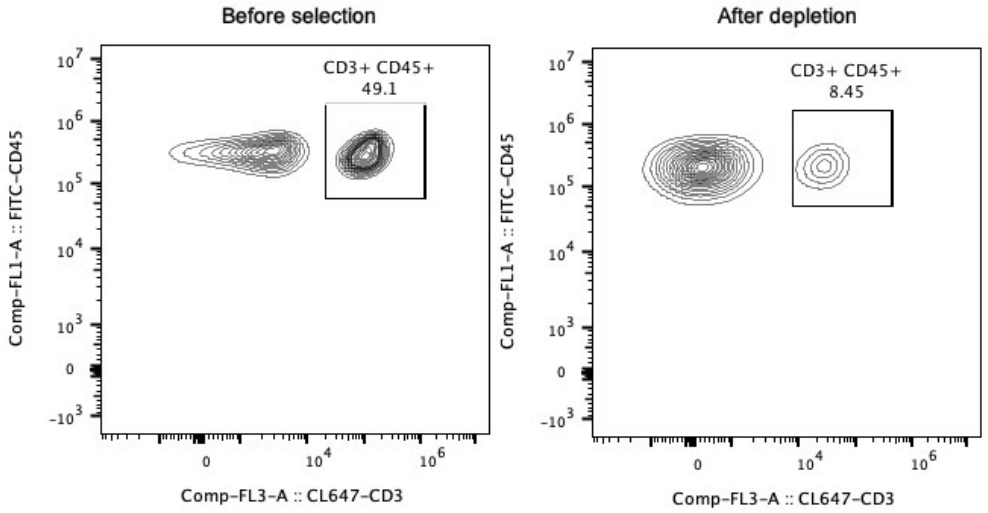
20 µL Human CD3 Magnetic Beads for $1*10^7$ cells

Beads Diameter

2.7 µm

Results

Representative example of enrichment and depletion



Following depletion of CD3+ cells, supernatant cell suspension was stained with FITC-CD45(F10-89-4) and CL647-CD3(UCHT1) antibodies. Left panel: CD3+CD45+ cells before selection. Right panel: CD3+CD45+ cells after depletion. All viable cells are gated in the analysis. Human CD3 magnetic beads are tested using PBMC from three different donors.

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