

Human CD3 magnetic beads

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: 200µL 10mg/mL Human CD3 Magnetic Beads
MS002-100: 2x1mL 10mg/mL Human CD3 Magnetic Beads

Package

10test/100test

Storage

2-8°C

Reactivity

Human

Recommend usage

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

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

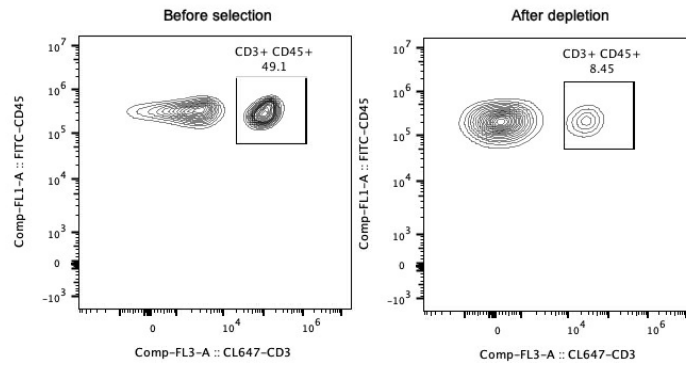
T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or 1(312) 455-8498(outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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Validation Data

Representative example of 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.

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