

Human CD8 Magnetic Beads

Catalog Number: MS004

Description

CD8 is a cell surface glycoprotein found on most cytotoxic T lymphocytes and is used as a marker for these cells. It acts as a coreceptor for T cell receptor and functions to recognize MHC –I antigens. 10%-30% human lymphocytes are CD8 positive. Human CD8 Magnetic Beads are used for isolation or depletion of human CD8+ T lymphocytes from PBMC, whole blood, or other sample types. Following incubation with human CD8 antibody conjugated magnetic beads, the cell sample is placed on a magnet. CD8+ 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. CD8- cells remain in supernatant and can also be used for further applications.

Components

MS004-10: 100µL 10mg/mL Human CD8 Magnetic Beads

MS004-100: 1mL 10mg/L Human CD8 Magnetic Beads

Package

10test/100test

Storage

2-8°C

Reactivity

Human

Recommend usage

10 µL Human CD8 Magnetic Beads for 1×10^7 cells

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

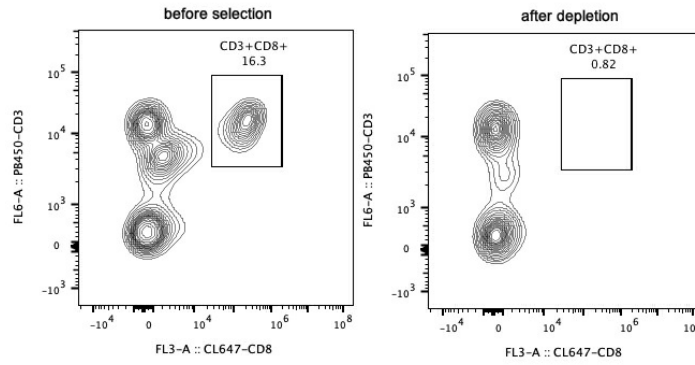
T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or 1(312) 455-8498(outside USA)

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Validation Data

Representative example of depletion



Following depletion of CD8⁺ cells, supernatant cell suspension was stained with PB450-CD3(clone: HIT3a) and CL647-CD8(clone: OKT8) antibodies. CD45 positive cells are gated in the analysis. Left panel: CD3+CD8⁺ cells before selection. Right panel: CD3+CD8⁺ cells after depletion. Human CD8 magnetic beads are tested using PBMC from three different donors.

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