

For Research Use Only

Human CD8 Magnetic Beads

Catalog Number: MS004



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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: 100 μ L 10 mg/mL Human CD8 Magnetic Beads

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

Package

10 test/100 test

Storage

2-8°C

Reactivity

Human

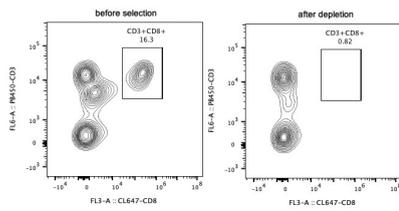
Recommend usage

10 μ L Human CD8 Magnetic Beads for 1×10^7 cells

Beads Diameter

2.7 μ m

Validation Data



Representative example of enrichment and 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.

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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