

Human CD8 Magnetic Beads Kit

Catalog Number: KMS003

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 Kit is used for isolation or depletion of human CD8 T lymphocytes from PBMC, whole blood, or other sample types. Following incubation with biotinylated human CD8 antibody and streptavidin 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 cell expansion, but are not suitable for flow cytometry analysis. CD8- cells remain in the supernatant and can be used for further applications.

Components

KMS003-10:

- MS001-10: 100µL 10mg/mL streptavidin magnetic beads
- MS65204-10: 100 µL 0.1mg/mL Biotin-CD8 (clone: UCHT4)

KMS003-100:

- MS001-100: 1mL 10mg/mL streptavidin magnetic beads
- MS65204-100: 1mL 0.1mg/mL Biotin-CD8 (clone: UCHT4)

Package

10test/100test

Storage

2-8°C

Reactivity

Human

Recommend usage

10 µL Biotin-CD8 antibody and 10 µL streptavidin beads for 1×10^7 cells

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

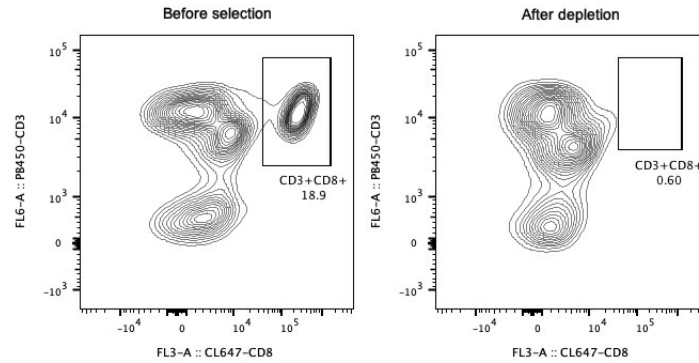
T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or 1(312) 455-8498(outside USA)

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). CD45+ cells are gated in the analysis. Left panel: CD3+CD8+ cells before selection. Right panel: CD3+CD8+ cells after depletion. Human CD8 magnetic beads kit is validated using PBMC from three different donors.

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