

# 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: 100 µL 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

## Storage buffer

PBS, pH7.4, 0.2% BSA and 0.05% Sodium Azide

## Reactivity

Human

## Recommend usage

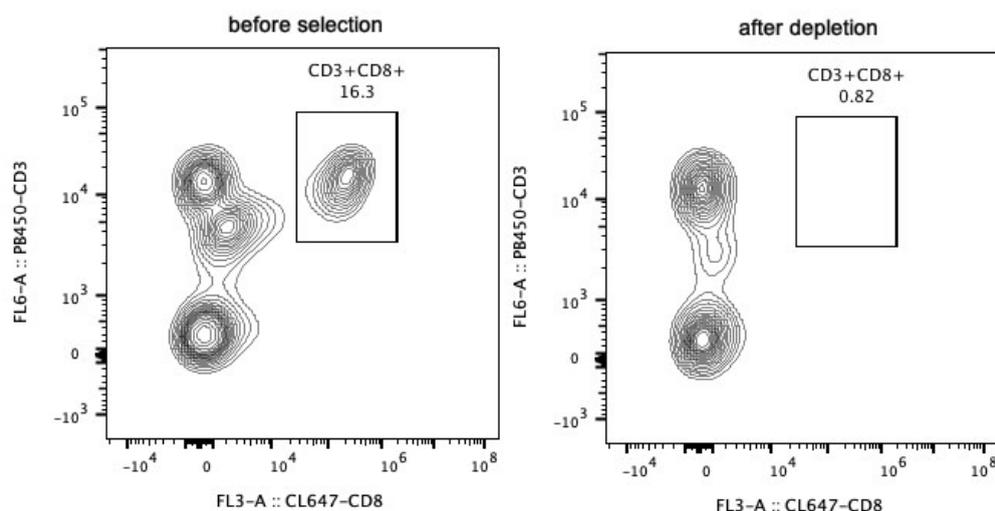
10 µL Human CD8 Magnetic Beads for  $1 \times 10^7$  cells

## Beads Diameter

2.7 µm

## Results

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:

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