

For Research Use Only

# Human CD3 magnetic beads

Catalog Number: MS002



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## 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: 200  $\mu$ L 10 mg/mL Human CD3 Magnetic Beads  
MS002-100: 2 x 1 mL 10 mg/mL Human CD3 Magnetic Beads

## Package

10 test/100 test

## Storage

2-8°C

## Reactivity

Human

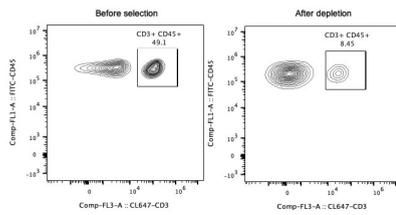
## Recommend usage

20  $\mu$ L Human CD3 Magnetic Beads for  $1 \times 10^7$  cells

## Beads Diameter

2.7  $\mu$ m

## Validation Data



**Representative example of enrichment and depletion:** Following depletion of CD3<sup>+</sup> cells, supernatant cell suspension was stained with FITC-CD45(F10-89-4) and CL647-CD3(UCHT1) antibodies. Left panel: CD3<sup>+</sup>CD45<sup>+</sup> cells before selection. Right panel: CD3<sup>+</sup>CD45<sup>+</sup> cells after depletion. All viable cells are gated in the analysis... Human CD3 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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