

## Human CD4 Magnetic Beads

Catalog#/Size: MS003-10/10 test

MS003-100/100 test

### Description

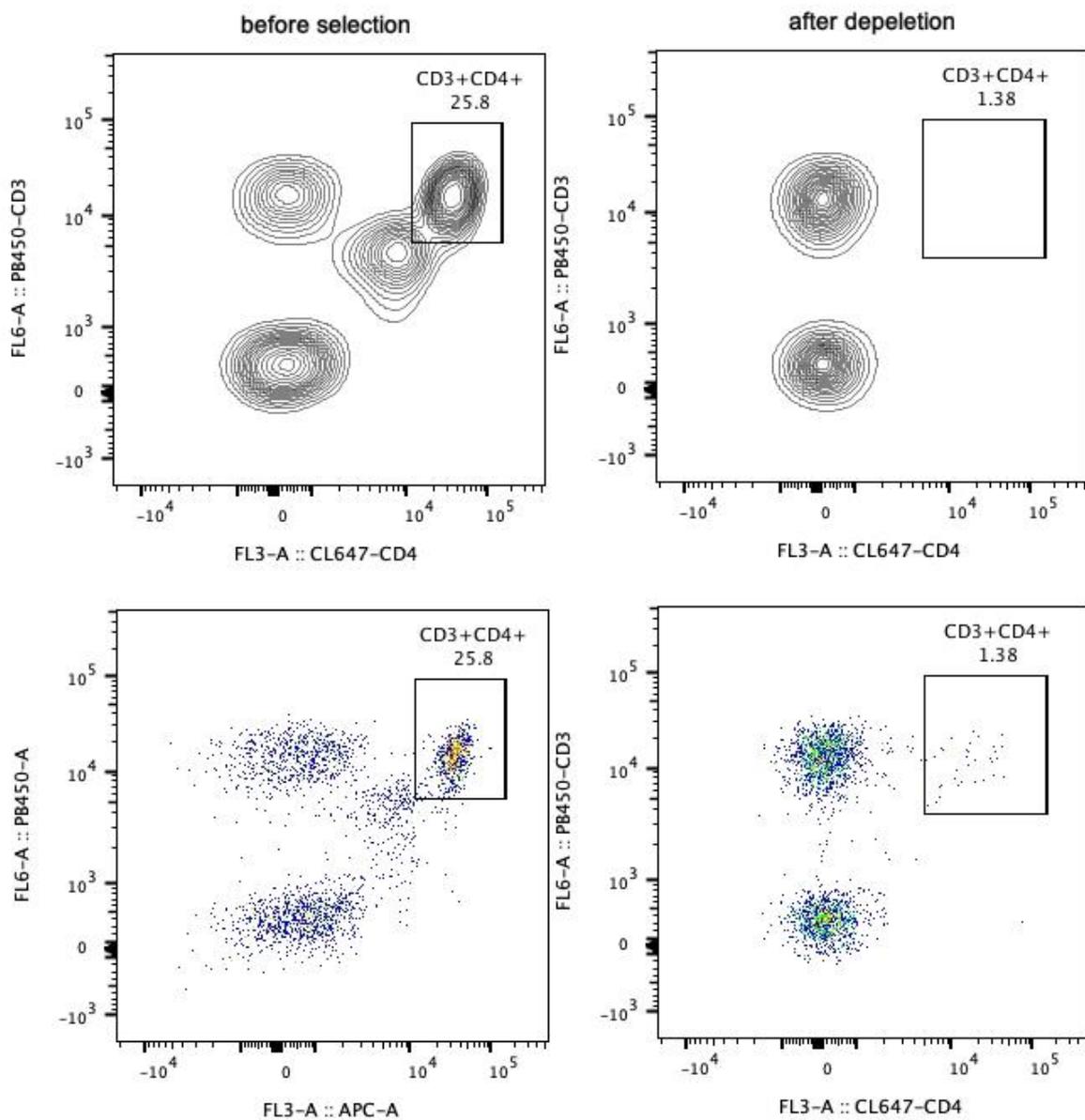
CD4 is a 55 kDa glycoprotein that is a co-receptor of T cell receptor in T lymphocytes. CD4+ cells are essential for achieving effective immune response by associating with class II MHC molecules. 25%-65% human lymphocytes are CD4 positive. Human CD4 Magnetic Beads are used for isolation or depletion of human CD4 T lymphocytes from PBMC, whole blood, or other sample types. Following incubation with human CD4 antibody conjugated magnetic beads, the cell sample is placed on a magnet. CD4+ 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. CD4- cells remain in supernatant and can also be used for further applications.

### Product Details

Components	MS003-10: 100µL 10mg/mL Human CD4 Magnetic Beads MS003-100: 1mL 10mg/mL Human CD4 Magnetic Beads
Reactivity	Human
Beads Diameter	2.7 µm
Storage buffer	PBS, pH7.4, 0.2% BSA and 0.05% Sodium Azide
Storage temperature	2-8 °C
Recommend usage	10µL Human CD4 Magnetic Beads for 1x10 <sup>7</sup> cells

## Representative example of depletion

Following depletion of CD4+ cells, supernatant cell suspension was stained with PB450-CD3(clone: HIT3a) and CL647-CD4(clone: OKT4) antibodies. CD45 positive cells are gated in the analysis. Left panel: CD3+CD4+ cells before selection. Right panel: CD3+CD4+ cells after depletion. Human CD4 antibody conjugated magnetic beads are tested using PBMC from three donors.



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For technical support for this product please contact:

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