

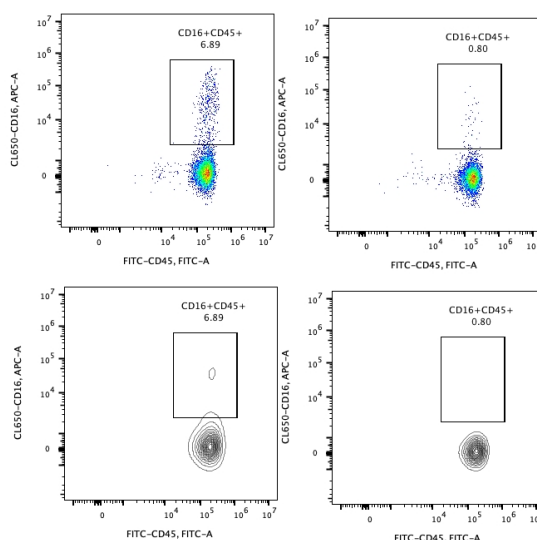
# Human CD16 Magnetic Beads

Catalog Number: MS007

<b>Description</b>	CD16, which is also known as Fc $\gamma$ RIII, is a receptor for the Fc $\gamma$ portion of IgG and is involved in antibody dependent cellular cytotoxicity. 5%-10% human peripheral blood mononuclear cells (PBMC) express CD16. Human CD16 Magnetic Beads Kit is used for isolation or depletion of human CD16 NK cells/monocytes from PBMC, whole blood, or other sample types. CD16 positive cells and negative cells can be separated by a magnet after short incubation with Human CD16 Magnetic Beads. CD16 positive cells remain attached to magnetic beads after separation and can be used for further molecular analysis or in vitro culture, but not suitable for flow cytometry analysis. CD16 negative cells remain in supernatant and can also be used for any further application.
<b>Components</b>	MS007-10: 100 $\mu$ L 10 mg/mL human CD16 magnetic beads MS007-100: 1 mL 10 mg/mL human CD16 magnetic beads
<b>Package</b>	10 test/100 test
<b>Storage</b>	2-8°C
<b>Storage buffer</b>	PBS, pH7.4, 0.2% BSA and 0.05% Sodium Azide
<b>Reactivity</b>	Human
<b>Recommend usage</b>	10 $\mu$ L Human CD16 Magnetic Beads for $1 \times 10^7$ cells
<b>Beads Diameter</b>	2.7 $\mu$ m

## Results

Representative example of depletion



Following cell separation, cell suspension was stained with FITC-CD45(F10-89-4) and CL650-CD16(3G8) antibodies. All viable cells are gated in the analysis. Left panel: CD16+CD45+ cells before selection. Right panel: CD16+CD45+ cells after depletion. Human CD16 magnetic beads are tested using PBMC from three donors.