

# CD45RA protein-coupled magnetic MicroBeads

**Cat. No.** CD45RA-547M    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

**Species** Human

**Capacity** for  $1 \times 10^9$  total cells

### Background

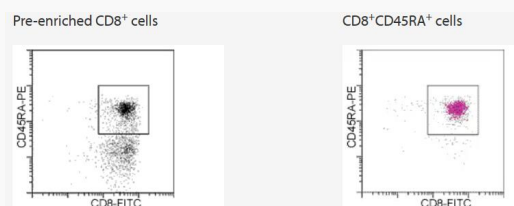
CD45RA is expressed on naive CD4<sup>+</sup> and CD8<sup>+</sup> T cells as well as on CD8<sup>+</sup> effector T cells. CD45RA is also present on subsets of B and NK cells as well as on plasmacytoid dendritic cells. The CD45RA antibody recognizes the 220 kDa isoform of the leukocyte common antigen (LCA).

CD45RA MicroBeads are used for the positive selection or depletion of CD45RA<sup>+</sup> cells. For isolation of CD45RA<sup>+</sup> T cell subsets, the CD45RA MicroBeads can be combined with MACS Cell Isolation Kits or CD4 and CD8 MultiSort Kits. The CD45RA MicroBeads can also be used to isolate CD45RO<sup>+</sup> cells from pre-sorted CD4<sup>+</sup> or CD8<sup>+</sup> T cells by depletion of CD45RA<sup>+</sup> cells.

### Application

Cells isolated with CD45RA MicroBeads can be used for various studies, such as cytokine expression or receptor signaling.

### Analysis



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CD8+ cells were enriched from PBMCs by using the CD8 MultiSort Kit. After release of the MultiSort MicroBeads, the cells were magnetically labeled with CD45RA MicroBeads. Naive CD8+CD45RA+ T cells were isolated by positive selection.

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