

CD45RO protein-coupled magnetic MicroBeads

Cat. No. CD45RO-2914M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 1×10^9 total cells

Background

CD45RO is expressed on CD4⁺ and CD8⁺ T memory cells as well as on CD4⁺ effector T cells. CD45RO is also expressed on monocytes, macrophages, and granulocytes. The CD45RO antibody recognizes a 180 kDa isoform of the leukocyte common antigen (LCA).

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

Application

Cells isolated with CD45RO MicroBeads can be used for various studies, such as cytokine expression⁶ or receptor signaling.

Analysis



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CD4+ cells were enriched from PBMCs by using the CD4 MultiSort Kit. After release of the MultiSort MicroBeads, the cells were magnetically labeled with CD45RO MicroBeads. CD4+CD45RO+ effector and memory T helper cells were isolated by positive selection.

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