

Buffy Coat CD4/CD8 protein-coupled magnetic MicroBeads

Cat. No. CD4/CD8-4932M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 1 buffy coat

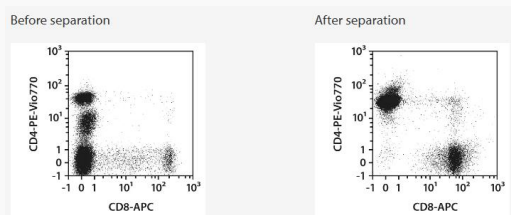
Background

The CD4 antigen is expressed on T helper (TH) cells and at a lower level on monocytes and dendritic cells. The CD4 antigen is an accessory molecule in the recognition of MHC class II/peptide complexes by the TCR heterodimer on CD4+ TH cells. The CD8 antigen is expressed on cytotoxic T cells and on a subset of CD16+ NK cells. The CD8 antigen acts as an accessory molecule in the recognition of MHC class I/peptide complexes by the TCR heterodimer on CD8+ cytotoxic T cells.

Application

The purified CD4+ and CD8+ cells are well suited for further flow cytometric, functional, or molecular analysis.

Analysis



Separation of a buffy coat sample using the StraightFrom Buffy Coat CD4/CD8

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MicroBead Kit and the MultiMACS Cell24 Separator Plus with the Single-Column Adapter and Whole Blood Columns. Cells were fluorescently stained with REAfinity Antibodies CD4-PE-Vio 770, CD8-APC, as well as CD45-VioBlue analyzed by flow cytometry using the MACSQuant Analyzer. Viable leukocytes were gated for analysis based on scatter signals, propidium iodide fluorescence, and CD45 expression.

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