

Buffy Coat REAlease CD4 protein-coupled magnetic MicroBeads

Cat. No. CD4-3921M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 1 buffy coat

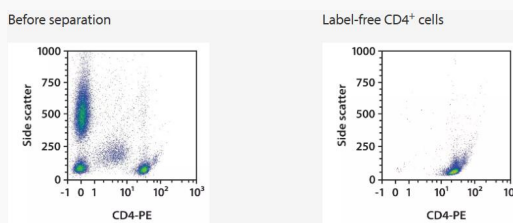
Background

CD4 is an accessory molecule in the recognition of MHC class II/peptide complexes by the TCR heterodimers on CD4⁺ T helper cells. CD4 is expressed on T helper cells and at a lower level on monocytes and dendritic cells. The CD4 molecule is the receptor for the human immunodeficiency virus. The CD4 antibody recognizes most thymocytes and about 65% of all peripheral blood T cells.

Application

The purified CD4⁺ cells are bead-free, practical for consecutive magnetic isolation and optionally label-free with epitopes available for any downstream application. The isolated cells are suited for further flow cytometric analyses, molecular biology applications, and functional studies.

Cell purity



CD4⁺ cells were isolated from a complete buffy coat using the StraightFrom Buffy

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Coat REAlease CD4 MicroBead Kit, Whole Blood Columns, and a MultiMACS Cell24 Separator Plus with the Single-Column Adapter. Cells were fluorescently stained with REAfinity Antibodies CD4-PE and analyzed by flow cytometry using the MACSQuant Analyzer X. Cell debris and dead cells were excluded from the analysis based on scatter signals and propidium iodide fluorescence.