

Buffy Coat REAlease CD8 protein-coupled magnetic MicroBeads

Cat. No. CD8-3291M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 1 buffy coat

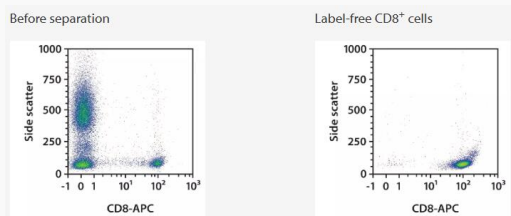
Background

The CD8 antigen forms a complex together with the T cell receptor and acts as an accessory molecule in the recognition of MHC class I/peptide complexes by the TCR heterodimer on CD8+ cytotoxic T cells. The CD8 molecule consists of either an α/β heterodimer or an α/α homodimer. It is expressed strongly on cytotoxic T cells and dimly on a subset of NK cells. CD8 is found on most thymocytes and on about one third of all peripheral blood T cells. CD8+ cytotoxic T cells play an important role in the killing of virus-infected cells and tumor cells.

Application

The purified CD8+ 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



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CD8+ cells were isolated from a complete buffy coat using the StraightFrom Buffy Coat REAlease CD8 MicroBead Kit, Whole Blood Columns, and a MultiMACS Cell24 Separator Plus with the Single-Column Adapter. Cells were fluorescently stained with REAfinity Antibodies CD8-APC 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.

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