

CD4 protein-coupled magnetic MicroBeads

Cat. No. CD4-4064M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 5×10^8 total cells

Background

The CD4 (TIL) MicroBead Kit has been developed for the isolation of CD4+ tumor-infiltrating leukocytes (TILs) from single-cell suspensions of solid human tumors as well as xenotransplanted tumors of mice with a humanized immune system. CD4 is expressed on T helper cells, at a lower level on monocytes and dendritic cells, and at a very low level on hematopoietic progenitor cells.

The REAlease CD4 (TIL) MicroBead Kit is an indirect magnetic labeling system that allows to obtain cells free of MicroBeads and the REAlease Biotin Complex.

Application

Isolation of specific CD4+ tumor-infiltrating T cell subsets. The selected CD4+ T helper cell population can be sorted according to a second marker of interest, for example, CD25, CD137 (4-1BB), CD223 (LAG-3), CD279 (PD1), or CD366 (TIM-3). Isolation of CD4+ tumor-infiltrating T cells which need to be label-free.

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