

CD163 protein-coupled magnetic MicroBeads

Cat. No. CD163-5932M Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 1×10^9 total cells

Background

CD163 is most abundantly expressed by mature tissue macrophages and peripheral blood monocytes. CD163 expression is up-regulated in vitro and in vivo by anti-inflammatory mediators. Depending on the ligand, crosslinking of CD163 initiates signal transduction leading to the production of pro-inflammatory cytokines, such as IL-1 β , IL-6, and GM-CSF or the anti-inflammatory cytokine IL-10.

Application

Positive selection of human cells expressing the CD163 antigen
Isolation or depletion of CD163+ cells from human peripheral mononuclear cells or single-cell suspensions from, e.g. tumor tissues
Enrichment of CD163+ macrophages from single-cells suspension of human tumor samples

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