

CD62L protein-coupled magnetic MicroBeads

Cat. No. CD62L-4932M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 1×10^9 total cells

Background

The CD62L antigen is a 74 kDa glycoprotein and is a member of the selectin family of cell surface molecules, also referred to as L-selectin, LECAM-1, or LAM-1. CD62L binds a series of glycoproteins including CD34, GlyCAM-1, and MAdCAM-1. CD62L is important for homing of naive lymphocytes via the high endothelial venules to peripheral lymph nodes and Peyer's patches. The CD62L antigen also contributes to the recruitment of leukocytes from the blood to areas of inflammation. Most hematopoietic cells, including most peripheral blood B cells, T cells, monocytes, dendritic cells, granulocytes, and some myeloid cells from bone marrow and thymocytes, express CD62L. CD62L is continuously endoproteolytically cleaved from the cell surface of CD62L-expressing neutrophils and lymphocytes (shedding). Proteolysis is accelerated, e.g., after antigen activation of T cells.

Application

Isolation of label-free CD62L+, CD3+, CD4+, and CD8+ T cells using first the CD62L MicroBead Kit, human, followed by a second enrichment using REAlease CD3, CD4, or CD8 MicroBead Kits, human.

Isolation of central memory T cells by using the REAlease CD62L MicroBead Kit, human, followed by cell enrichment using CD45RO MicroBeads, human (#130-046-001). For further subset discrimination this isolation strategy may be combined with REAlease CD3, CD4, or CD8 MicroBead Kits, human.

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Positive selection of label-free CD62L⁺ T cells from pre-enriched CD4⁺ or CD8⁺ T cells using the CD4⁺ T Cell Isolation Kit (# 130-096-533) or the CD8⁺ T Cell Isolation Kit (# 130-096-495).

Isolation of label-free CD4⁺CD62L⁺ central memory T cells from pre-enriched CD4⁺ memory T cells using the Memory CD4⁺ T Cell Isolation Kit (# 130-091-893).

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