

anti-human CD62L

Monoclonal Antibody HI62L to CD62L (Human)

Cat-No: **21819621**

100 µg in 100 µl

Clone: HI62L

Specificity: The antibody HI62L recognizes a 76 kDa type I glycoprotein, L-selectin, also called leucocyte endothelial cellular adhesion molecule-1 (LECAM-1). CD62L is expressed on most peripheral blood T cells, B cells, some NK cells, monocytes and neutrophils; it is also present on some splenic lymphocytes, bone marrow lymphocytes and myeloid cells, thymocytes and certain hematopoietic malignant cells. CD62L acts as the peripheral lymph node homing receptor, mediates lymphocytes homing to high endothelial venules (HEV) of peripheral lymphoid tissue and leucocytes rolling on activated endothelium at inflammatory sites.

Isotype subclass: Mouse IgG2a

Form: Purified by protein G affinity chromatography.

Purity: > 95% (by SDS-PAGE)

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.09 % sodium azide (pH 7.2).

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application: Flow Cytometry

Background: CD62L (L-selectin) is an adhesion glycoprotein that is constitutively expressed on the cell surface of leukocytes and mediates their homing to inflammatory sites and peripheral lymph nodes by enabling rolling along the venular wall. CD62L is also involved in activation-induced neutrophil aggregation. Activation-dependent CD62L shedding, however, counteracts neutrophil rolling. CD62L has also signaling roles including enhance of chemokine receptor expression. Similarly to CD62P, the major ligand of CD62L is PSGL-1 (P-selectin glycoprotein ligand-1).

References:

- 1.) Von Andrian UH and others: 1992 Oct;263(4 Pt 2):H1034-44.
- 2.) von Andrian UH and others: 1993 Jul 1;82(1):182-91.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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Altenoyther Str. 10; 26169 Friesoythe; Germany
phone:+49-(0)4491-400997, fax:+49-(0)4491-400998, info@immunotools.com
www.immunotools.com