

anti-human CD62L PE-conjugated

PE - conjugated monoclonal antibody HI62L to human CD62L

Cat-No: **21819624**

500 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: The purified antibody is conjugated with R-Phycoerythrin (R-PE) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1 % BSA and 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. Avoid prolonged exposure to light.

Application: Flow Cytometry

References:

- *Von Andrian UH and others: 1992 Oct;263(4 Pt 2):H1034-44.
- *von Andrian UH and others: 1993 Jul 1;82(1):182-91.
- *Simon SI and others: 1995 Aug 1;155(3):1502-14.
- *Ding Z and others: 2003 Jun 1;101(11):4245-52.
- *Ramachandran V and others: 2004 Sep 14;101(37):13519-24.

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).

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.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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