

## anti-rat CD62L PE-conjugated

PE- conjugated monoclonal antibody MRC OX-85 to rat CD62L

Cat-No: **23159624**

500 µl

**Clone:** MRC OX-85

**Specificity:** This anti-rat CD62L monoclonal antibody recognizes rat leukocyte selectin (L-selectin). CD62L is expressed constitutively on leukocytes and is expressed by a subset of thymocytes predominantly single positive CD4 or CD8 cells and a majority of lymph node cells in rats. CD62L binds well to O-glycans present on certain glycoforms of the mucins GlyCAM-1, CD34 and MAdCAM-1. It is capable of transducing signals when cross-linked and has been shown to stimulate  $\beta_2$ -integrin-mediated adhesion when bound to soluble GlyCAM-1. L-selectin expressing CD4<sup>+</sup>CD8<sup>-</sup> thymocytes were shown through adoptive transfer to protect rats from insulin-dependent diabetes. CD4<sup>+</sup>CD8<sup>-</sup> thymocytes must mature to the stage of L-selectin expression before they can mediate normal T cell function. Sensitive detection systems may be required on some tissues as a expression of rat CD62L is weak.

**Isotype subclass:** Mouse IgG1

**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 and ELISA

**References:** 1. Nicholson, M.W., Barclay, A.N., Singer, M.S., Rosen, S.D. and P.A. van der Merwe (1997), Affinity and kinetic analysis of L-Selectin (CD62L) binding to glycosylation –dependent cell-adhesion molecule-1, J. Biol. Chem. 273, 763-770  
2. Seddon, B., Abdelhadi, S., Nicholson, M., and D. Mason (1996), CD4<sup>+</sup>CD8<sup>-</sup> thymocytes that express L-selectin protect rats from diabetes upon adoptive transfer, Eur. J. Immunol. 26, 2702-2708

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink, and animal feedingstuff (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 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.

**ImmunoTools** Excellent Quality - Advantageously priced

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