



**Category:** Monoclonal Antibodies      **Cat. #** mab-SF-C030      **Product Name:** mouse CD62L

**Description:**

Monoclonal rat anti-mouse CD62L. CD62L is a 74-95 kD glycoprotein also known as L-selectin, LECAM-1, Ly-22, LAM-1, and MEL-14. It is a member of the selectin family and is expressed on the majority of B and naïve T cells, a subset of memory T cells, monocytes, granulocytes, most thymocytes, and a subset of NK cells. CD62L is important in lymphocyte homing to high endothelial venules (HEV) in peripheral lymph nodes and leukocyte "rolling" on activated endothelium. CD62L also contributes to neutrophil emigration at inflammatory sites. CD62L is rapidly shed from lymphocytes and neutrophils upon cellular activation and the expression levels of CD62L (in conjunction with other markers) have been used to distinguish naïve, effector, and memory T cells. CD62L has been reported to interact with CD34, glyCAM-1, and MAdCAM-1.

**Immunogen:**

C3H/eb mouse B lymphoma 38C-13

**Application:**

Flow cytometry, IHC

**Species Reactivity:**

Mouse. Others not tested.

**Presentation:**

50 mM Sodium Borate, 150 mM Sodium Chloride, 20% Glycerol and 0.05% Sodium azide, pH 8.0.

**Aliquoting Instructions:**

Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

**Specificity:**

The rat monoclonal antibody MEL-14 reacts with mouse CD62L (L-selectin), a 75 kDa single chain type I glycoprotein expressed on most peripheral blood B lymphocytes, T lymphocytes, monocytes and granulocytes; it is also present on a subset of NK cells and certain hematopoietic malignant cells.

**Storage:**

Store at 2~8°C for short term, freeze under -20°C for long term storage.

**Size:** 0.2 mg

**Clone:** MEL 14

**Isotype:** IgG2a, k

**Host:** Rat

**Form:** Purified

**Concentration:** 0.5 mg/ml

**Units on Hand:** YES

**References:**

1. Gallatin, W. M., et al., Nature 304(5921): 30-34, 1983.
2. Gallatin, W.M., et al., Nature 304: 30-34, 1983.
3. Siegelman, M. H., et al., Cell 61(4): 611-622, 1990.

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