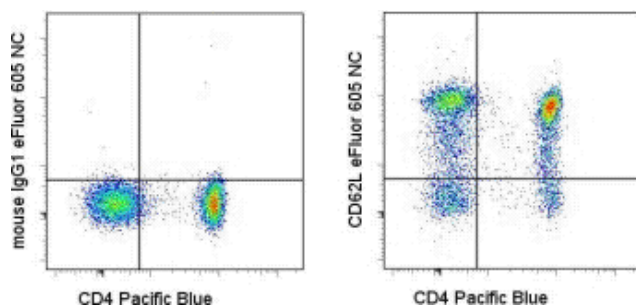


## Anti-Human CD62L (L-Selectin) eFluor® 605NC

**Catalog Number:** 93-0629

**Also Known As:** LECAM-1, Leu-8

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of normal human peripheral blood cells with Anti-Human CD4 Pacific Blue® and Mouse IgG1 K Isotype Control eFluor® 605NC (cat. 93-4714) (left) or Anti-Human CD62L (L-selectin) eFluor® 605NC (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD62L (L-Selectin) eFluor® 605NC

**REF** **Catalog Number:** 93-0629

**Clone:** DREG-56 (DREG56)

**Concentration:** 5 µL

**Host/Isotype:** Mouse IgG1, kappa

**HLDA Workshop:** V S056

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



**Temperature Limitation:** Store at 2-8°C. Light sensitive material. This product is guaranteed for 6 months upon receipt when stored properly.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Caution, contains Azide**

### Description

The DREG-56 monoclonal antibody reacts with human CD62L, a 76 kDa member of the selectin family. CD62L is expressed by neutrophils, monocytes, and subsets of T, B, and NK cells and binds a number of glycosylated, fucosylated, sulfated sialylated glycoproteins including CD34, glycam-1 and MAdCAM-1. These interactions mediate rolling of lymphocytes on activated endothelium at the sites of inflammation and homing of cells to the high endothelial venules (HEV) of peripheral lymphoid tissues.

### Applications Reported

This DREG-56 (DREG56) antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This DREG-56 (DREG56) antibody has been pre-titrated and tested by flow cytometric analysis of normal human PBMCs. This can be used at 5 µL per test. A test is defined as the amount of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

The Mouse IgG1 Isotype Control eFluor 605NC (cat. 93-4714) should be used at 5 µL/test.

**Laser/Filter Recommendation:** When using eFluor 605NC, we recommend excitation with the 405nm violet laser with an appropriate filter set, such as the 595LP dichroic mirror with the 605/40 bandpass filter. An acceptable alternative is the 610/20 bandpass filter. For instruments not equipped with a violet laser, the eFluor 605NC is also excited by the 488 nm blue laser and can be used as a PE-Texas Red alternative.

**Fixation Recommendation:** When fixing samples that have been stained with nanocrystal reagents, we recommend keeping the total volume at approximately 200 µL of IC Fixation Buffer (cat. 00-8222) and the exposure time 30-60 minutes to preserve the optimal fluorescent signal from the nanocrystal reagent.

For answers about fixation and other questions, please refer to Nanocrystal Frequently Asked Questions or contact eBioscience Technical Support.

### References

Jutila MA, Kurk S, Jackiw L, Knibbs RN, Stoolman LM. J Immunol. L-selectin serves as an E-selectin ligand on cultured human T lymphoblasts. 2002 Aug 15;169(4):1768-73. (Dreg-56, WB, PubMed)

Schlossman, S., L. Bloumsell, et al. eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

Kishimoto TK, Jutila MA, Butcher EC. Identification of a human peripheral lymph node homing receptor: a rapidly down-regulated adhesion

molecule. Proc Natl Acad Sci U S A. 1990 Mar;87(6):2244-8. (**Dreg-56**, mAb generation, WB, FC, PubMed)

#### **Related Products**

00-4222 Flow Cytometry Staining Buffer

93-4714 Mouse IgG1 K Isotype Control eFluor® 605NC (P3.6.2.8.1)

#### **Legal**

Under patent number: US 7,939,170 and additional pending patent application(s)

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