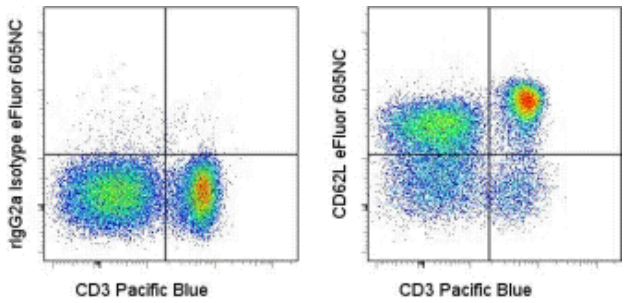
Anti-Mouse CD62L (L-Selectin) eFluor® 605NC

Catalog Number: 93-0621
Also Known As:LECAM-1, Ly-22
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57BL/6 splenocytes with Anti-Mouse CD3e Pacific Blue® and Rat IgG2a K Isotype Control eFluor® 605NC (cat. 93-4321) (left) or Anti-Mouse CD62L (L-Selectin) eFluor® 605NC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD62L (L-Selectin) eFluor® 605NC
REF **Catalog Number:** 93-0621
Clone: MEL-14
Concentration: 5 uL
Host/Isotype: Rat IgG2a, kappa

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.
LOT **Batch Code:** Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The MEL-14 monoclonal antibody reacts with mouse 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 MEL-14 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This MEL-14 antibody has been pre-titrated and tested flow cytometric analysis of mouse splenocytes. This can be used at 5 µLper 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 10^5 to 10^8 cells/test.

The Rat IgG2a Isotype Control eFluor 605NC (cat. 93-4321) 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

Gallatin, W. M., I. L. Weissman, et al. (1983). A cell-surface molecule involved in organ-specific homing of lymphocytes. Nature 304(5921): 30-4.

Siegelman, M. H., I. C. Cheng, et al. (1990). The mouse lymph node homing receptor is identical with the lymphocyte cell surface marker Ly-22: role of the EGF domain in endothelial binding. Cell 61(4): 611-22.

Related Products

00-4222 Flow Cytometry Staining Buffer
93-4321 Rat IgG2a K Isotype Control eFluor® 605NC (eBR2a)

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

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