full spectrum cell analysis®
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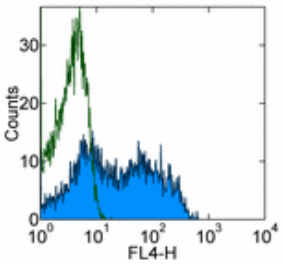
Anti-Mouse CD62L (L-Selectin) Alexa Fluor® 700

Catalog Number: 56-0621
Also Known As:LECAM-1, Ly-22
RUO: For Research Use Only



Staining of BALB/c splenocytes with 0.03 µg of Rat IgG2a κ Isotype Control Alexa Fluor® 700 (cat. 56-4321) (open histogram) or 0.03 µg of Anti-Mouse CD62L (L-selectin) Alexa Fluor® 700 (filled histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD62L (L-Selectin) Alexa Fluor® 700
REF Catalog Number: 56-0621
Clone: MEL-14
Concentration: 0.2 mg/ml
Host/Isotype: Rat IgG2a, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
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.

The Alexa Fluor® 700 emits at 723 nm and can be excited with the He-Ne 633 laser. Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochome.

Applications Tested

This MEL-14 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 0.06 µg per test. A test is defined as the amount (µg) 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

56-4321 Rat IgG2a K Isotype Control Alexa Fluor® 700

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