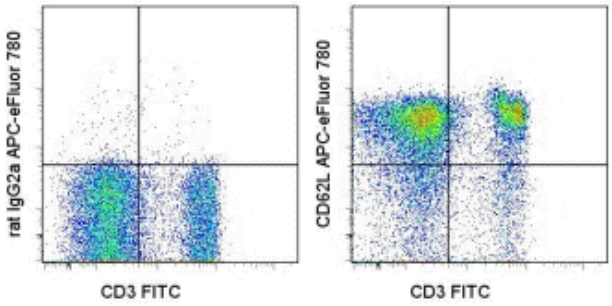
Anti-Mouse CD62L (L-Selectin) APC-eFluor® 780

Catalog Number: 47-0621
Also Known As:LECAM-1, Ly-22
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of BALB/c splenocytes with Anti-Mouse CD3e FITC (cat. 11-0031) and 0.06 ug of Rat IgG2a kappa Isotype Control APC-eFluor® 780 (cat. 47-4321) (left) or 0.06 ug of Anti-Mouse CD62L (L-Selectin) APC-eFluor® 780 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD62L (L-Selectin) APC-eFluor® 780
REF **Catalog Number:** 47-0621
Clone: MEL-14
Concentration: 0.2 mg/mL
Host/Isotype: Rat IgG2a, kappa

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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.
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 tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 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.

APC-eFluor® emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochome.

Light sensitivity: Tandem is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

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
11-0031 Anti-Mouse CD3e FITC (145-2C11)
47-0629 Anti-Human CD62L (L-Selectin) APC-eFluor® 780 (DREG-56 (DREG56))
47-4321 Rat IgG2a K Isotype Control APC-eFluor® 780 (eBR2a)

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