CD62L (L-Selectin) Monoclonal Antibody (MEL-14), APC-eFluor™ 780, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC-eFluor™ 780, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MEL-14
Conjugate	APC-eFluor™ 780
Excitation/Emission Max	756/785 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1603256

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	67 Publications

Product Specific Information

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 780 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: This tandem is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

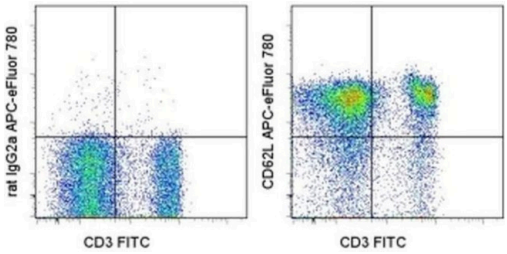
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step

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.

Excitation: 633-647 nm; Emission: 780 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD62L (L-Selectin) Monoclonal Antibody (MEL-14), APC-eFluor™ 780, eBioscience™



CD62L (L-Selectin) Antibody (47-0621-82) in Flow
Staining of BALB/c splenocytes with Anti-Mouse CD3e FITC (Product # 11-0031-82) and 0.06 µg of Rat IgG2a K Isotype Control APC-eFluor® 780 (Product # 47-4321-82) (left) or 0.06 µg of Anti-Mouse CD62L (L-Selectin) APC-eFluor® 780 (right). Total viable cells were used for analysis.

View more figures on thermofisher.cn

67 References

Flow Cytometry (67)

Bioactive materials

A platinum@polymer-catechol nanobraker enables radio-immunotherapy for crippling melanoma tumorigenesis, angiogenesis, and radioresistance.

"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 47-0621-82) in Flow Cytometry"

Authors: Li W,Yan J,Tian H,Li B,Wang G,Sang W,Zhang Z,Zhang X,Dai Y

Year
2023

NPJ vaccines

Amphiphile-CpG vaccination induces potent lymph node activation and COVID-19 immunity in mice and non-human primates.

"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 47-0621-82) in Flow Cytometry"

Authors: Seenappa LM,Jakubowski A,Steinbuck MP,Palmer E,Haqq CM,Carter C,Fontenot J,Villinger F,McNeil LK, DeMuth PC

Year
2022

View more Flow references on thermofisher.cn

More applications with references on thermofisher.cn

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