

CD62L (L-Selectin) Monoclonal Antibody (MEL-14), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MEL-14
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465721

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	89 Publications
In vitro Assay (IV)	-	1 Publication

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: The MEL-14 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

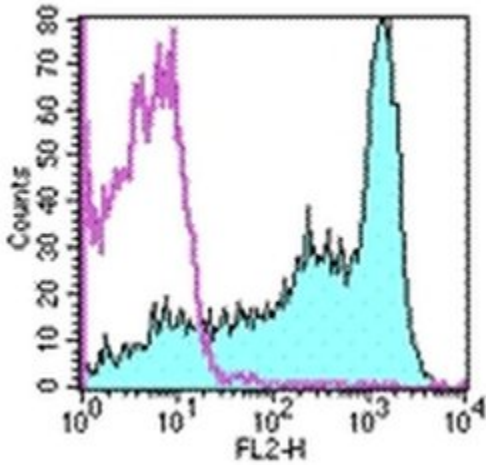
Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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

CD62L (L-Selectin) Antibody (12-0621-82) in Flow

Staining of BALB/c splenocytes with 0.06 µg of Rat IgG2a K Isotype Control PE (Product # 12-4321-80) (open histogram) or 0.06 µg of Anti-Mouse CD62L (L-Selectin) PE (filled histogram). Total viable cells were used for analysis.



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Flow Cytometry (89)

F1000Research

Myelin-specific T helper 17 cells promote adult hippocampal neurogenesis through indirect mechanisms.

"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 12-0621-82) in Flow Cytometry"

Authors: Niebling J,E Rünker A,Schallenberg S,Kretschmer K,Kempermann G

Species
Not Applicable

Dilution
Not Cited

Year
2020

Frontiers in immunology

MicroRNA-7 Deficiency Ameliorates the Pathologies of Acute Lung Injury through Elevating KLF4.

"12-0621 was used in Flow cytometry/Cell sorting to study the role of microRNA-7 in acute lung injury, allowing the development of new therapeutic strategies against inflammatory lung disease."

Authors: Zhao J,Chen C,Guo M,Tao Y,Cui P,Zhou Y,Qin N,Zheng J,Zhang J,Xu L

Species
Mouse

Dilution
Not Cited

Year
2019

[View more Flow references on thermofisher.com](#)

In vitro Assay (1)

Immunology

Macrophages transfer antigens to dendritic cells by releasing exosomes containing dead-cell-associated antigens partially through a ceramide-dependent pathway to enhance CD4(+) T-cell responses.

"12-0621 was used in In vitro assays to identify a novel pathway of cross-talk between macrophages and dendritic cells."

Authors: Xu Y,Liu Y,Yang C,Kang L,Wang M,Hu J,He H,Song W,Tang H

Species
Mouse

Dilution
Not Cited

Year
2016

More applications with references on thermofisher.com

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