

CD62L (L-Selectin) Monoclonal Antibody (MEL-14), Biotin, 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), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MEL-14
Conjugate	Biotin
Form	Liquid
Concentration	0.5 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_466491

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	52 Publications

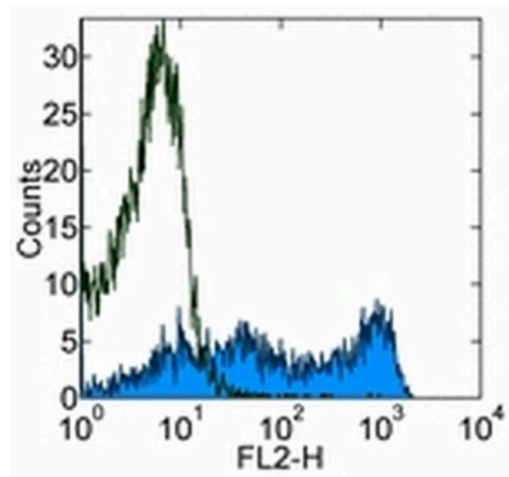
Product Specific Information

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: 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 0.25 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.

Filtration: 0.2 µm post-manufacturing filtered.



CD62L (L-Selectin) Antibody (13-0621-82) in Flow
Staining of C57BL/6 splenocytes with 0.125 µg of Rat IgG2a K Isotype Control Biotin (Product # 13-4321-82) (open histogram) or 0.125 µg of Anti-Mouse CD62L (L-Selectin) Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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53 References

Immunocytochemistry (1)

Cell communication and signaling : CCS	Year
Aiduging formula inhibits breast cancer metastasis by suppressing TAM /CXCL1-induced Treg differentiation and infiltration.	2021
"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 13-0621-82) in Immunocytochemistry"	
Authors: Li J,Wang S,Wang N,Zheng Y,Yang B,Wang X,Zhang J,Pan B,Wang Z	

Flow Cytometry (52)

Bioactive materials	Year
A platinum@polymer-catechol nanobroker enables radio-immunotherapy for crippling melanoma tumorigenesis, angiogenesis, and radioresistance.	2023
"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 13-0621-82) in Flow Cytometry"	
Authors: Li W,Yan J,Tian H,Li B,Wang G,Sang W,Zhang Z,Zhang X,Dai Y	

NPJ vaccines	Year
Amphiphile-CpG vaccination induces potent lymph node activation and COVID-19 immunity in mice and non-human primates.	2022
"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 13-0621-82) in Flow Cytometry"	
Authors: Seenappa LM,Jakubowski A,Steinbuck MP,Palmer E,Haqq CM,Carter C,Fontenot J,Villinger F,McNeil LK,DeMuth PC	

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

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