

# CD62L (L-Selectin) Monoclonal Antibody (MEL-14), Super Bright™ 436, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MEL-14
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2762739

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	26 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 may 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

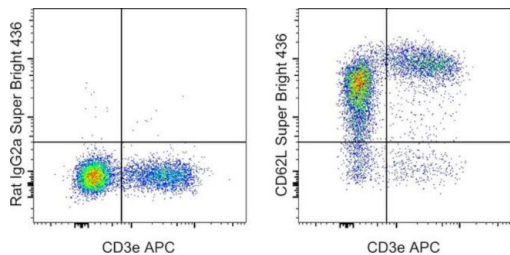
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD62L (L-Selectin) Monoclonal Antibody (MEL-14), Super Bright™ 436, eBioscience™



**CD62L (L-Selectin) Antibody (62-0621-82) in Flow**  
C57BL/6 mouse splenocytes were stained with CD3e Monoclonal Antibody, APC (Product # 17-0031-82) and 0.125 µg of Rat IgG2a kappa Isotype Control, Super Bright 436 (Product # 62-4321-82) (left) or 0.125 µg of CD62L Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

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27 References

Immunocytochemistry (1)

Cell communication and signaling : CCS	Year
<b>Aiduqing formula inhibits breast cancer metastasis by suppressing TAM /CXCL1-induced Treg differentiation and infiltration.</b>	2021
"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 62-0621-82) in Immunocytochemistry"	
Authors: Li J,Wang S,Wang N,Zheng Y,Yang B,Wang X,Zhang J,Pan B,Wang Z	

Flow Cytometry (26)

Nature communications	Year
<b>Microbiota-assisted iron uptake promotes immune tolerance in the intestine.</b>	2023
"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 62-0621-82) in Flow Cytometry"	
Authors: Zhu L,Li G,Liang Z,Qi T,Deng K,Yu J,Peng Y,Zheng J,Song Y,Chang X	

Bioactive materials	Year
<b>A platinum@polymer-catechol nanobroker enables radio-immunotherapy for crippling melanoma tumorigenesis, angiogenesis, and radioresistance.</b>	2023
"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 62-0621-82) in Flow Cytometry"	
Authors: Li W,Yan J,Tian H,Li B,Wang G,Sang W,Zhang Z,Zhang X,Dai Y	

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