

CD62L (L-Selectin) Monoclonal Antibody (MEL-14), eFluor™ 450, 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), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MEL-14
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 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_1963590

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	56 Publications
Miscellaneous PubMed (Misc)	-	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: This MEL-14 antibody has been reported for use in flow cytometric analysis.

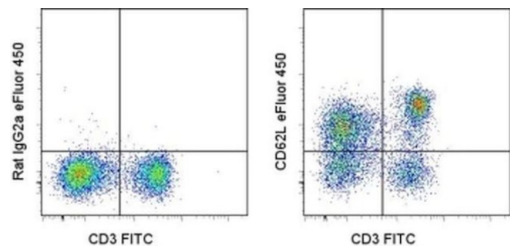
Applications Tested: This MEL-14 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

Excitation: 405 nm; Emission: 445 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD62L (L-Selectin) Monoclonal Antibody (MEL-14), eFluor™ 450, eBioscience™



CD62L (L-Selectin) Antibody (48-0621-82) in Flow
Staining of BALB/c splenocytes with Anti-Mouse CD3e FITC (Product # 11-0031-82) and 0.25 µg of Rat IgG2a K Isotype Control eFluor® 450 (Product # 48-4321-82) (left) or Anti-Mouse CD62L (L-Selectin) eFluor® 450 (right). Total viable cells were used for analysis.

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Immunocytochemistry (1)

<p>Cell communication and signaling : CCS</p> <p>Aiduqing formula inhibits breast cancer metastasis by suppressing TAM /CXCL1-induced Treg differentiation and infiltration.</p> <p>"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 48-0621-82) in Immunocytochemistry"</p> <p>Authors: Li J,Wang S,Wang N,Zheng Y,Yang B,Wang X,Zhang J,Pan B,Wang Z</p>	<p>Year 2021</p>
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Flow Cytometry (56)

<p>Bioactive materials</p> <p>A platinum@polymer-catechol nanobroker enables radio-immunotherapy for crippling melanoma tumorigenesis, angiogenesis, and radioresistance.</p> <p>"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 48-0621-82) in Flow Cytometry"</p> <p>Authors: Li W,Yan J,Tian H,Li B,Wang G,Sang W,Zhang Z,Zhang X,Dai Y</p>	<p>Year 2023</p>
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<p>NPJ vaccines</p> <p>Amphiphile-CpG vaccination induces potent lymph node activation and COVID-19 immunity in mice and non-human primates.</p> <p>"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 48-0621-82) in Flow Cytometry"</p> <p>Authors: Seenappa LM,Jakubowski A,Steinbuck MP,Palmer E,Haqq CM,Carter C,Fontenot J,Villinger F,McNeil LK,DeMuth PC</p>	<p>Year 2022</p>
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Miscellaneous PubMed (1)

<p>Nature communications</p> <p>Itk is required for Th9 differentiation via TCR-mediated induction of IL-2 and IRF4.</p> <p>"48-0621 was used in Magnetic cell separation to investigate the role of IL-9 in allergic asthma and autoimmunity, showing that Itk is required for Th9 differentiation via TCR-mediated induction of IL-2 and IRF4."</p> <p>Authors: Gomez-Rodriguez J,Meylan F,Handon R,Hayes ET,Anderson SM,Kirby MR,Siegel RM,Schwartzberg PL</p>	<p>Year 2016</p> <p>Species Mouse</p>
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More applications with references on thermofisher.com

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