

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
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_1963590

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	33 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.

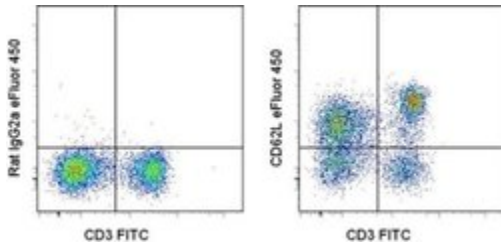
Applications Tested: This MEL-14 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined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

[View more figures on thermofisher.com](http://thermofisher.com)

34 References

Flow Cytometry (33)

EBioMedicine

Near-infrared photoimmunotherapy targeting human-EGFR in a mouse tumor model simulating current and future clinical trials.

"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 48-0621-82) in Flow Cytometry"

Authors: Okada R, Furusawa A, Vermeer DW, Inagaki F, Wakiyama H, Kato T, Nagaya T, Choyke PL, Spanos WC, Allen CT, Kobayashi H

Species
Not Applicable

Dilution
Not Cited

Year
2021

Frontiers in cell and developmental biology

Senescent T Cell Induces Brown Adipose Tissue "Whitening" Via Secreting IFN-.

"48-0621 was used in Flow cytometry/Cell sorting to show the phenomenon of brown adipose tissue 'whitening' in old mice, induced by IFN- secretion by senescent T cells."

Authors: Pan XX, Yao KL, Yang YF, Ge Q, Zhang R, Gao PJ, Ruan CC, Wu F

Species
Mouse

Dilution
Not Cited

Year
2021

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

Miscellaneous PubMed (1)

Nature communications

Itk is required for Th9 differentiation via TCR-mediated induction of IL-2 and IRF4.

"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."

Authors: Gomez-Rodriguez J, Meylan F, Handon R, Hayes ET, Anderson SM, Kirby MR, Siegel RM, Schwartzberg PL

Species
Mouse

Dilution
Not Cited

Year
2016

More applications with references on thermofisher.com

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