

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

Product Details	
Size	1 mg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MEL-14
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage conditions	4° C
RRID	AB_468989

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.5 µg/test	37 Publications
Neutralization (Neu)	Assay-Dependent	1 Publication
Functional Assay (FN)	Assay-Dependent	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. MEL-14 has also been reported in blocking of adhesion in functional studies. (Fluorochrome-conjugated MEL-14 is recommended for use in flow cytometry).

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 0.5 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.

Storage and handling: Use in a sterile environment.

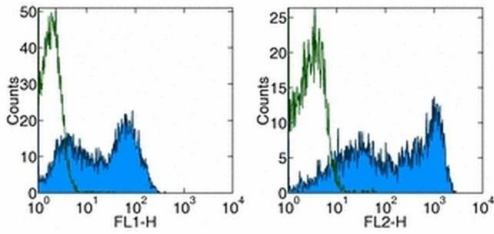
Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

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



CD62L (L-Selectin) Antibody (16-0621-86) in Flow

Staining of mouse bone marrow with Anti-Mouse CD62L (L-Selectin) FITC (left) or PE (right). Autofluorescence is shown via open histogram. Cells in the myeloid population was used for analysis.

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

Immunocytochemistry (1)

Cell communication and signaling : CCS

Aiduiqing formula inhibits breast cancer metastasis by suppressing TAM /CXCL1-induced Treg differentiation and infiltration.

"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 16-0621-86) in Immunocytochemistry"

Authors: Li J,Wang S,Wang N,Zheng Y,Yang B,Wang X,Zhang J,Pan B,Wang Z

Species
Not Applicable

Dilution
Not Cited

Year
2021

Flow Cytometry (37)

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 # 16-0621-86) 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

Cell reports

Targeting Phosphatidylserine Enhances the Anti-tumor Response to Tumor-Directed Radiation Therapy in a Preclinical Model of Melanoma.

"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 16-0621-86) in Flow Cytometry"

Authors: Budhu S,Giese R,Gupta A,Fitzgerald K,Zappasodi R,Schad S,Hirschhorn D,Campesato LF,De Henau O, Gigoux M,Liu C,Mazo G,Deng L,Barker CA,Wolchok JD,Merghoub T

Species
Not Applicable

Dilution
Not Cited

Year
2021

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

Neutralization (1)

The Journal of clinical investigation

TREM-1 orchestrates angiotensin II-induced monocyte trafficking and promotes experimental abdominal aortic aneurysm.

"16-0621-86 was used in Neutralization to investigate the role of triggering receptor expressed on myeloid cells-1 in abdominal aortic aneurysm using a mouse model."

Authors: Vandestienne M,Zhang Y,Santos-Zas I,Al-Rifai R,Joffre J,Giraud A,Laurans L,Esposito B,Pinet F,Bruneval P, Raffort J,Lareyre F,Vilar J,Boufenzar A,Guyonnet L,Guerin C,Clauser E,Silvestre JS,Lang S,Soulat-Doufor L,Tedgui A, Mallat Z,Taleb S,Boissonnas A,Derive M,Chinetti G,Ait-Oufella H

Species
Mouse

Dilution
Not Cited

Year
2021

More applications with references on thermofisher.com

FN (1)

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