

# 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
Flow Cytometry (Flow)	0.5 µg/test	36 Publications
Neutralization (Neu)	Assay-Dependent	-
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 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.

**Storage and handling:** Use in a sterile environment.

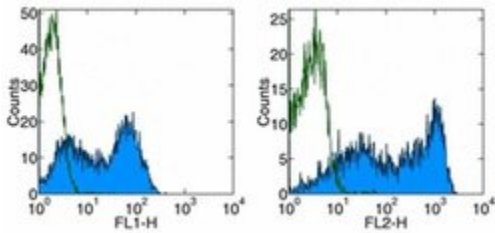
Filtration: 0.2 µm post-manufacturing filtered.

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)

## 37 References

### Flow Cytometry (36)

#### 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](#)

### Functional Assay (1)

#### Blood

#### Inactivation of heparan sulfate 2-O-sulfotransferase accentuates neutrophil infiltration during acute inflammation in mice.

"16-0621 was used in Functional assays to show that inactivation of uronyl 2-O-sulfotransferase in endothelial cells results in enhanced neutrophil recruitment in several models of acute inflammation."

Authors: Axelsson J, Xu D, Kang BN, Nussbacher JK, Handel TM, Ley K, Sriramarao P, Esko JD

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2012

### More applications with references on thermofisher.com

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