

# CD62L (L-Selectin) Monoclonal Antibody (MEL-14), APC, 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), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MEL-14
Conjugate	APC
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_469410

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.06 µg/test	85 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:** The MEL-14 antibody has been reported for use in flow cytometric analysis.

**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 0.06 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.

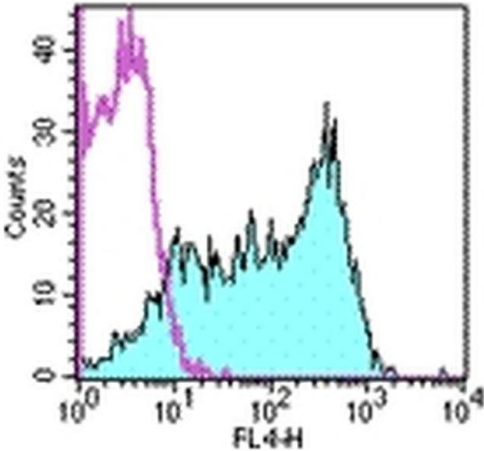
**Excitation:** 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

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

**CD62L (L-Selectin) Antibody (17-0621-82) in Flow**

Staining of C57BL/6 splenocytes with staining buffer (autofluorescence) (open histogram) or 0.03 µg of Anti-Mouse CD62L (L-Selectin) APC (filled histogram). Total viable cells were used for analysis.



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

## Immunocytochemistry (1)

### Nature communications

#### Photothermal therapy with immune-adjuvant nanoparticles together with checkpoint blockade for effective cancer immunotherapy.

"17-0621 was used in Immunohistochemistry to investigate the use of immuneadjuvant nanoparticles for photothermal tumour ablation in mice and their potential for cancer immunotherapy."

Authors: Chen Q,Xu L,Liang C,Wang C,Peng R,Liu Z

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2016

## Flow Cytometry (85)

### Molecular metabolism

#### Hepatocyte-specific glucose-6-phosphatase deficiency disturbs platelet aggregation and decreases blood monocytes upon fasting-induced hypoglycemia.

"17-0621-82 was used in Flow Cytometry to evaluate the effect of glycemic control on leukocyte levels and coagulation in glycogen storage disease type 1a."

Authors: La Rose AM,Bazioti V,Hoogerland JA,Svendsen AF,Groenen AG,van Faassen M,Rutten MGS,Kloosterhuis NJ, Dethmers-Ausema B,Nijland JH,Mithieux G,Rajas F,Kuipers F,Lukens MV,Soehnlein O,Oosterveer MH,Westerterp M

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2021

### 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 # 17-0621-82) 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

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

## More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.