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.

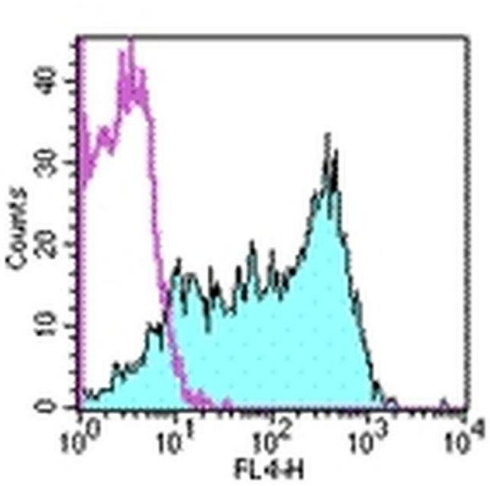
Applications Reported: The MEL-14 antibody has been reported for use in flow cytometric analysis.

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 10^5 to 10^8 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

86 References

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