

# CD62L (L-Selectin) Monoclonal Antibody (MEL-14), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MEL-14
Conjugate	Biotin
Form	Liquid
Concentration	0.5 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_466491

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.25 µg/test	20 Publications

## Product Specific Information

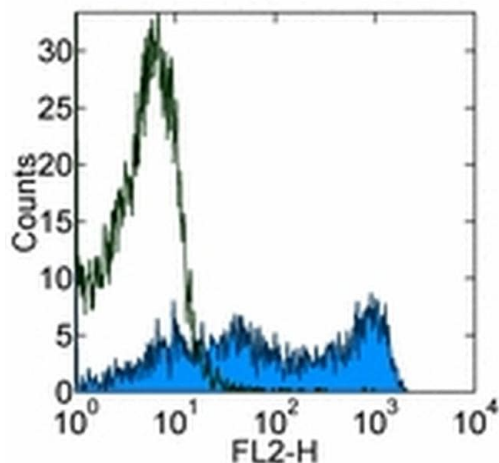
**Description:** The MEL-14 monoclonal antibody reacts with mouse CD62L, a 76 kDa member of the selectin family. CD62L is expressed by neutrophils, monocytes, and subsets of T, B, and NK cells and binds a number of glycosylated, fucosylated, sulfated sialylated glycoproteins including CD34, glycam-1 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 0.25 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.

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

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



### CD62L (L-Selectin) Antibody (13-0621-82) in Flow

Staining of C57BL/6 splenocytes with 0.125 µg of Rat IgG2a K Isotype Control Biotin (Product # 13-4321-82) (open histogram) or 0.125 µg of Anti-Mouse CD62L (L-Selectin) Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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### 20 References

#### Flow Cytometry (20)

F1000Research

#### Myelin-specific T helper 17 cells promote adult hippocampal neurogenesis through indirect mechanisms.

"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 13-0621-82) in Flow Cytometry"

Authors: Niebling J,E Rünker A,Schallenberg S,Kretschmer K,Kempermann G

Species

Not Applicable

Dilution

Not Cited

Year

2018

Nature communications

#### Helminth-induced IL-4 expands bystander memory CD8<sup>+</sup> T cells for early control of viral infection.

"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 13-0621-82) in Flow Cytometry"

Authors: Rolot M,Dougall AM,Chetty A,Javaux J,Chen T,Xiao X,Machiels B,Selkirk ME,Maizels RM,Hokke C,Denis O,Brombacher F,Vanderplasschen A,Gillet L,Horsnell WGC,Dewals BG

Species

Not Applicable

Dilution

Not Cited

Year

2018

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