

# CD62L (L-Selectin) Monoclonal Antibody (MEL-14), Super Bright 702, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright 702, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MEL-14
Conjugate	Super Bright™ 702
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2717151

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.03 µg/test	4 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:** This MEL-14 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This MEL-14 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 0.03 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.

Super Bright 702 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 702 nm. We recommend using a 710/50 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

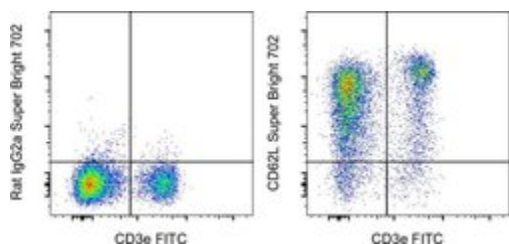
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100  $\mu$ L of cell sample + 100  $\mu$ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; Emission: 702 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

## Product Images For CD62L (L-Selectin) Monoclonal Antibody (MEL-14), Super Bright 702, eBioscience™



### CD62L (L-Selectin) Antibody (67-0621-82) in Flow

C57BL/6 mouse splenocytes were stained with CD3e Monoclonal Antibody, FITC (Product # 11-0031-82) and 0.015  $\mu$ g of Rat IgG2a kappa Isotype Control, Super Bright 702 (Product # 67-4321-82) (left) or 0.015  $\mu$ g of CD62L Monoclonal Antibody, Super Bright 702 (right). Total viable cells were used for analysis.

[View more figures on thermofisher.com](#)

## 4 References

### Flow Cytometry (4)

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 # 67-0621-82) 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

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 # 67-0621-82) 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](#)

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