CD62L (L-Selectin) Monoclonal Antibody (MEL-14), Alexa Fluor 561, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Alexa Fluor 561, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MEL-14
Conjugate	Alexa Fluor® 561
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!

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	-

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.

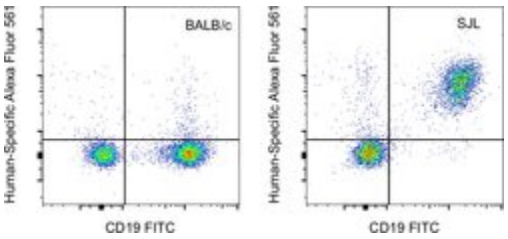
Our internal testing shows that Alexa Fluor 561 non-specifically stains B cells in Swiss Webster and SJL mice. Non-specific staining has not been observed in BALB/c or C57BL/6 mice. Other strains have not been tested. See the Antibody Testing Data for an example of this strain-dependent difference.

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 0.25 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

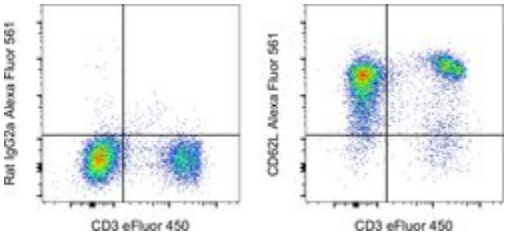
Alexa Fluor 561 emits at 575 nm and is intended for use on spectral cytometers where it may be multiplexed with both PE and PE-eFluor 610.

Excitation: 558 nm; Emission: 575 nm; Laser: Yellow-Green Laser

Product Images For CD62L (L-Selectin) Monoclonal Antibody (MEL-14), Alexa Fluor 561, eBioscience™



CD62L (L-Selectin) Antibody (505-0621-82) in Flow
Alexa Fluor 561 non-specific staining of B cells in the SJL strain of mice. Splenocytes from BALB/c (left) and SJL (right) strains of mice were stained with Anti-Mouse CD19 Monoclonal Antibody conjugated to FITC and a non-cross-reactive, human-specific monoclonal antibody conjugated to Alexa Fluor 561. These data show that Alexa Fluor 561-conjugated antibodies non-specifically stain B cells in SJL mice (right) and outbred, Swiss Webster mice (data not shown). Non-specific staining has not been observed in BALB/c mice (left) and C57BL/6 mice (data not shown).8220



CD62L (L-Selectin) Antibody (505-0621-82) in Flow
C57BL/6 mouse splenocytes were stained with CD3 Monoclonal Antibody, eFluor 450 (Product # 48-0032-82) and 0.125 µg of Rat IgG2a kappa Isotype Control, Alexa Fluor 561 (Product # 505-4321-81) (left) or 0.125 µg of CD62L (L-Selectin) Monoclonal Antibody, Alexa Fluor 561 (right). Cells in the lymphocyte gate were used for analysis. This data was collected on a 5-laser Cytek Aurora full spectral cytometer.