

CD62L (L-Selectin) Monoclonal Antibody (DREG-56 (DREG56)), eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	DREG-56 (DREG56)
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_467320

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	5 Publications
Neutralization (Neu)	Assay-Dependent	-
Functional Assay (FN)	Assay-Dependent	2 Publications

Product Specific Information

Description: The DREG-56 monoclonal antibody reacts with human 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, glycamin-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 DREG-56 (DREG56) antibody has been reported for use in flow cytometric analysis, non-reducing conditions-immunoblotting (WB), and immunohistology staining of frozen tissue sections. DREG-56 has also been reported in inhibition of binding to HEV. (Please use Functional Grade purified DREG-56 (DREG56), cat. 16-0629, in functional assays.).

Applications Tested: The DREG-56 (DREG56) antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 1 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 10⁵ to 10⁸ cells/test. It

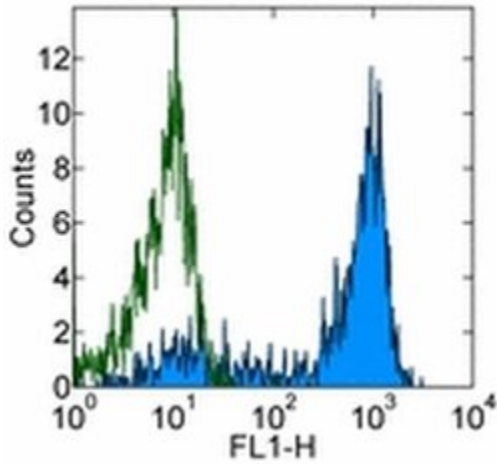
is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD62L (L-Selectin) Monoclonal Antibody (DREG-56 (DREG56)), eBioscience™



CD62L (L-Selectin) Antibody (14-0629-82) in Flow

Staining of normal human peripheral blood cells with 0.5 µg of Mouse IgG1 kappa Isotype Control Purified (Product # 14-4714-82) (open histogram) or 0.5 µg of Anti-Human CD62P (P-Selectin) Purified (filled histogram) followed by Anti-Mouse IgG FITC (Product # 11-4011-85). Cells in the lymphocyte gate were used for analysis.

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

9 References

Western Blot (1)

Bioscience reports

MicroRNA-140-5p inhibits cell proliferation, migration and promotes cell apoptosis in gastric cancer through the negative regulation of THY1-mediated Notch signaling.

Authors: Wu K,Zou J,Lin C,Jie ZG

Species
Human

Dilution
1:1000

Year
2019

Immunocytochemistry (1)

Biophysical journal

Cell surface topography is a regulator of molecular interactions during chemokine-induced neutrophil spreading.

"14-0629 was used in Immunocytochemistry-immunofluorescence to demonstrate that topographical remodelling is a key mechanism for regulating cell adhesion and surface-induced activation of cells."

Authors: Lomakina EB,Marsh G,Waugh RE

Species
Human

Dilution
Not Cited

Year
2014

Flow Cytometry (5)

Nature communications

Heterogeneity of human bone marrow and blood natural killer cells defined by single-cell transcriptome.

"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 14-0629-82) in Flow Cytometry"

Authors: Yang C,Siebert JR,Burns R,Gerbec ZJ,Bonacci B,Rymaszewski A,Rau M,Riese MJ,Rao S,Carlson KS,Routes JM,Verbsky JW,Thakar MS,Malarkannan S

Species
Not Applicable

Dilution
Not Cited

Year
2019

Molecular medicine reports

n-butanol extract from Folium isatidis inhibits the lipopolysaccharide-induced downregulation of CXCR1 and CXCR2 on human neutrophils.

"Published figure using CD62L (L-Selectin) monoclonal antibody (Product # 14-0629-82) in Flow Cytometry"

Authors: Wu B,Wang L,Jiang L,Dong L,Xu F,Lu Y,Jin J,Wang Z,Liang G,Shan X

Species
Not Applicable

Dilution
Not Cited

Year
2018

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

More applications with references on thermofisher.com

FN (2)

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