

APC/Fire™ 810 anti-mouse CD62L Antibody

Catalog# / Size	161229 / 25 µg 161230 / 100 µg
Clone	W18021D
Regulatory Status	RUO
Other Names	L-selectin
Isotype	Rat IgG2a, κ
Description	CD62L is a 74-95 kD glycoprotein also known as L-selectin. It is a member of the selectin family and is expressed on the majority of B and naïve T cells, a subset of memory T cells, monocytes, granulocytes, most thymocytes, and a subset of NK cells. CD62L is important in lymphocyte homing to high endothelial venules (HEV) in peripheral lymph nodes and leukocyte "rolling" on activated endothelium. CD62L also contributes to neutrophil emigration at inflammatory sites. CD62L is rapidly shed from lymphocytes and neutrophils upon cellular activation and the expression levels of CD62L (in conjunction with other markers) have been used to distinguish naïve, effector, and memory T cells. CD62L has been reported to interact with CD34, GlyCAM-1, and MAdCAM-1.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse CD62L recombinant protein (39-332)
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 810 under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application. * APC/Fire™ 810 has a maximum excitation of 650 nm and a maximum emission of 810 nm. Excessive exposure to light, and commonly used fixation, permeabilization buffers can affect APC/Fire™ 810 fluorescence signal intensity and spread. Please keep conjugates protected from light exposure. For more information and representative data, visit our Fire Dyes page.
Excitation Laser	Red Laser (633 nm)
RRID	AB_3698921 (BioLegend Cat. No. 161229) AB_3698921 (BioLegend Cat. No. 161230)

Antigen Details

Structure	CD62L is a type I transmembrane glycoprotein with 74-95 kD.
Distribution	CD62L is expressed on the majority of B and naïve T cells, a subset of memory T cells, monocytes, granulocytes, most thymocytes, and a subset of NK cells.
Function	CD62L plays roles in lymphocyte homing to lymphoid organs and inflammatory leukocyte trafficking.
Ligand/Receptor	CD34, GlyCAM-1, MAdCAM-1
Cell Type	B cells, Granulocytes, Monocytes, Neutrophils, NK cells, T cells, Tregs
Biology Area	Cell Adhesion, Cell Biology, Costimulatory Molecules, Immunology, Innate Immunity
Molecular Family	Adhesion Molecules, CD Molecules
Antigen References	1. Rosen S. 2004. <i>Annu. Rev. Immunol.</i> 22:129 2. Barclay AN, <i>et al.</i> 1997. <i>The Leukocyte Antigen FactsBook</i> Academic Press.
Gene ID	20343

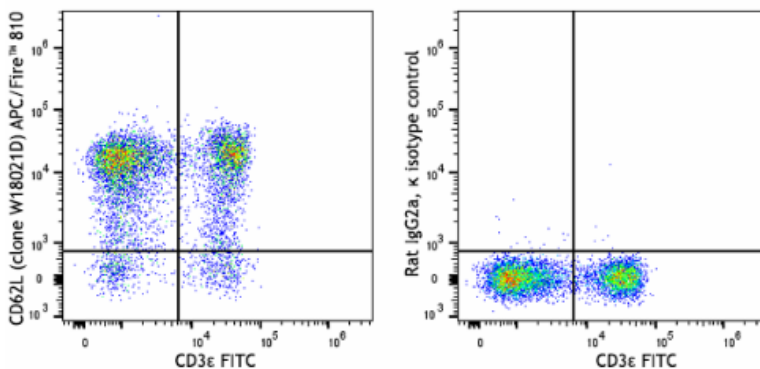
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

PE anti-mouse CD62L, Purified anti-mouse CD62L Antibody, PE/Fire™ 810 anti-mouse CD62L, Pacific Blue™ anti-mouse CD62L, PerCP/Cyanine5.5 anti-mouse CD62L, FITC anti-mouse CD62L, PE/Cyanine7 anti-mouse CD62L, PE/Dazzle™ 594 anti-mouse CD62L, APC anti-mouse CD62L, Spark PLUS UV395™ anti-mouse CD62L, Spark PLUS B550™ anti-mouse CD62L, PerCP/Fire™ 780 anti-mouse CD62L Antibody, PerCP/Fire™ 806 anti-mouse CD62L Antibody, APC/Fire™ 750 anti-mouse CD62L Antibody, Spark Blue™ 574 anti-mouse CD62L (Flexi-Fluor™) Antibody, APC/Fire™ 810 anti-mouse CD62L Antibody

Product Data



C57BL/6 mouse splenocytes were stained with anti-mouse CD3ε (clone 145-2C11) FITC and anti-mouse CD62L (clone W18021D) APC/Fire™ 810 (left) or rat IgG2a, κ APC/Fire™ 810 isotype control (right).

For Research Use Only. Not for diagnostic or therapeutic use.

This product is supplied subject to the terms and conditions, including the limited license, located at www.biolegend.com/terms ("Terms") and may be used only as provided in the Terms. Without limiting the foregoing, BioLegend products may not be used for any Commercial Purpose as defined in the Terms, resold in any form, used in manufacturing, or reverse engineered, sequenced, or otherwise studied or used to learn its design or composition without express written approval of BioLegend. Regardless of the information given in this document, user is solely responsible for determining any license requirements necessary for user's intended use and assumes all risk and liability arising from use of the product. BioLegend is not responsible for patent infringement or any other risks or liabilities whatsoever resulting from the use of its products.

BioLegend, the BioLegend logo, and all other trademarks are property of BioLegend, Inc. or their respective owners, and all rights are reserved.

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587