

## APC/Fire™ 750 anti-mouse CD62L Antibody

<b>Catalog# / Size</b>	161227 / 25 µg 161228 / 100 µg
<b>Clone</b>	W18021D
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	L-selectin
<b>Isotype</b>	Rat IgG2a, κ
<b>Description</b>	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

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<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	Mouse CD62L recombinant protein (39-332)
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.
<b>Concentration</b>	0.2 mg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . 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™ 750 has a maximum excitation of 650 nm and a maximum emission of 774 nm.
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>RRID</b>	AB_3683178 (BioLegend Cat. No. 161227) AB_3683178 (BioLegend Cat. No. 161228)

### Antigen Details

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<b>Structure</b>	CD62L is a type I transmembrane glycoprotein with 74-95 kD.
<b>Distribution</b>	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.

<b>Function</b>	CD62L plays roles in lymphocyte homing to lymphoid organs and inflammatory leukocyte trafficking.
<b>Ligand/Receptor</b>	CD34, GlyCAM-1, MAdCAM-1
<b>Cell Type</b>	B cells, Granulocytes, Monocytes, Neutrophils, NK cells, T cells, Tregs
<b>Biology Area</b>	Cell Adhesion, Cell Biology, Costimulatory Molecules, Immunology, Innate Immunity
<b>Molecular Family</b>	Adhesion Molecules, CD Molecules
<b>Antigen References</b>	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.
<b>Gene ID</b>	<a href="#">20343</a>

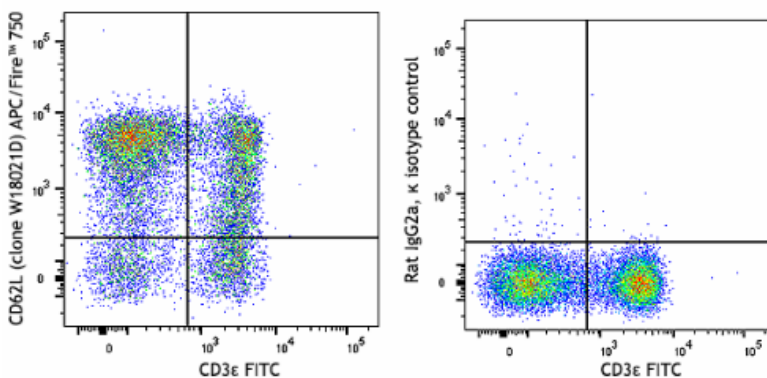
## Related Protocols

- [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™ 750 (left) or rat IgG2a, κ APC/Fire™ 750 isotype control (right).

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