

Purified anti-mouse CD62L Recombinant Antibody

Catalog# / Size	161802 / 100 µg
Clone	QA18A74
Regulatory Status	RUO
Other Names	L-selectin, LECAM-1, Ly-22, LAM-1, MEL-14
Isotype	Rat IgG1, κ
Description	CD62L is a 74-95 kD glycoprotein also known as L-selectin, LECAM-1, Ly-22, LAM-1, and MEL-14. 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

Reactivity	Mouse
Antibody Type	Recombinant
Host Species	Rat
Immunogen	C3H/He mouse B cell lymphoma 38C-13 cells
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
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.
Excitation Laser	Red Laser (633 nm)
Application Notes	Clone QA18A74 antibody is able to completely block binding of clone MEL-14 on target cells.
RRID	AB_2894660 (BioLegend Cat. No. 161802)

Antigen Details

Structure	Selectin, 95 kD (neutrophils) or 74 kD (lymphocytes)
Distribution	Subsets of B and T cells, monocytes, granulocytes, subset of NK cells
Function	Lymphocyte homing to HEV, rolling on activated endothelium
Ligand/Receptor	CD34, GlyCAM-1, MAdCAM-1
Cell Type	B cells, Granulocytes, Leukocytes, Lymphocytes, Monocytes, Neutrophils, NK cells, T cells

Biology Area Adaptive Immunity, Cell Adhesion, Cell Biology, Costimulatory Molecules, Immunology, Innate Immunity

Molecular Family Adhesion Molecules, CD Molecules

Antigen References

1. Barclay AN, *et al.* 1997. *The Leukocyte Antigen FactsBook Academic Press.*
2. Kishimoto TK, *et al.* 1990. *P Natl Acad Sci. USA.* 87:2244.
3. Tedder TF, *et al.* 1995. *J Exp Med.* 181:2259.

Gene ID [20343](#)

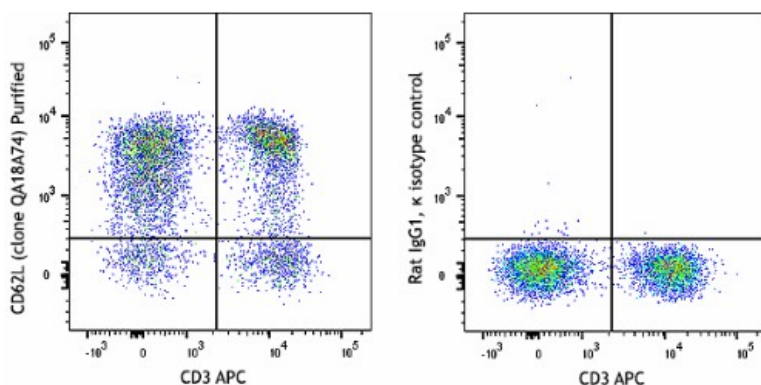
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse CD62L Recombinant Antibody

Product Data



Mouse splenocytes were stained with purified recombinant anti-mouse CD62L (clone QA18A74, left) or rat IgG1, κ isotype control (right) followed by anti-rat IgG PE. Cells were costained with anti-CD3 APC.

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

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