

Spark PLUS V450™ anti-human CD62L Antibody

Catalog# / Size	384827 / 25 tests 384828 / 100 tests
Clone	W21031N
Regulatory Status	RUO
Other Names	L-selectin, LECAM-1, LAM-1, Leu-8, TQ-1
Isotype	Rat IgG2a, κ
Description	CD62L is a 74-95 kD single chain type I glycoprotein referred to as L-selectin or LECAM-1. It is expressed on most peripheral blood B cells, subsets of T and NK cells, monocytes, granulocytes, and certain hematopoietic malignant cells. CD62L binds to carbohydrates present on certain glycoforms of CD34, glycamin-1, and MAdCAM-1 and with a low affinity to anionic oligosaccharide sequences related to sialylated Lewis X (sLex, CD15s) through its C-type lectin domain. CD62L is important for the homing of naïve lymphocytes to high endothelial venules in peripheral lymph nodes and Peyer's patches. It also plays a role in leukocyte rolling on activated endothelial cells.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Recombinant human CD62L protein
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with Spark PLUS V450™ under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
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 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * Spark PLUS V450™ has a maximum excitation of 405 nm and a maximum emission of 452 nm.
Excitation Laser	Violet Laser (405 nm)
Application Notes	Clone W21031N can completely block the binding of clone DREG-56 on target cells. Clone W21031N does not affect the binding of clone S21001C on target cells.

Antigen Details

Structure	Selectin, single chain glycoprotein, 74-95 kD
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Distribution	Majority of B cells, naïve T cells, subset of memory T and NK cells, monocytes, granulocytes, thymocytes
Function	Leukocyte homing, leukocyte tethering, rolling
Ligand/Receptor	CD34, GlyCAM, MAdCAM-1
Cell Type	B cells, Granulocytes, Lymphocytes, Monocytes, Neutrophils, NK cells, T cells, Thymocytes, Tregs
Biology Area	Cell Adhesion, Cell Biology, Costimulatory Molecules, Immunology, Innate Immunity
Molecular Family	Adhesion Molecules, CD Molecules
Antigen References	1. Kishimoto T, <i>et al.</i> 1990. <i>Proc Natl Acad Sci U S A.</i> 87:2244-8. 2. Kishimoto T, <i>et al.</i> 1991. <i>Blood.</i> 78:805-11.
Gene ID	6402

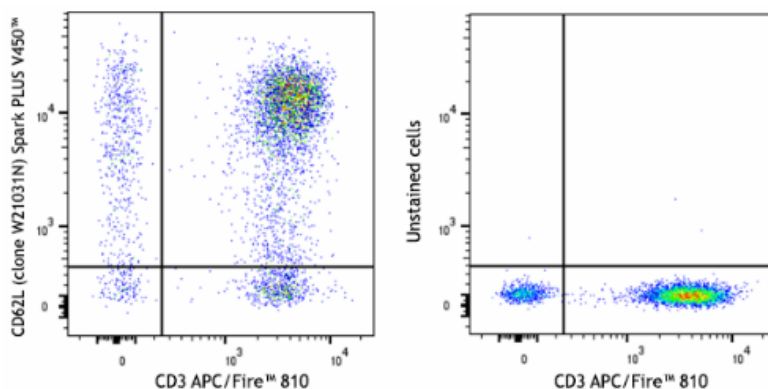
Related Protocols

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

Other Formats

Purified anti-human CD62L, APC anti-human CD62L, Brilliant Violet 421™ anti-human CD62L, PE/Cyanine7 anti-human CD62L, PerCP/Cyanine5.5 anti-human CD62L, PE/Fire™ 700 anti-human CD62L, Spark Red™ 718 anti-human CD62L, PE anti-human CD62L, APC/Cyanine7 anti-human CD62L, PE/Fire™ 810 anti-human CD62L, FITC anti-human CD62L, Brilliant Violet 605™ anti-human CD62L, Spark PLUS V450™ anti-human CD62L

Product Data



Human peripheral blood cells were stained with anti-human CD3 (clone UCHT1) APC/Fire™ 810 and anti-human CD62L (clone W21031N) Spark PLUS V450™ (left) or stained with anti-human CD3 (clone UCHT1) APC/Fire™ 810 only (right). Data shown are gated on the lymphocyte population.

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