

Brilliant Violet 605™ anti-human CD62L Antibody

Catalog# / Size	384823 / 25 tests 384824 / 100 tests
Clone	W21031N
Regulatory Status	RUO
Other Names	L-selectin, LECAM-1, LAM-1, Leu-8, TQ-1
Isotype	Rat IgG2a, κ
Description	Interleukin 21 (IL-21) is a potent immunomodulatory cytokine primarily produced by NKT cells and CD4+ T cells, particularly the inflammatory Th17 subset. It exerts pleiotropic effects on both innate and adaptive immune responses. These include positive effects such as enhancing proliferation of NK cells and cytotoxic T cells, and inhibitory effects on the antigen-presenting function of dendritic cells. IL-21 also has proapoptotic effects on B cells and NK cells. Recent studies have shown that IL-21 functions as an autocrine cytokine, strongly inducing Th17 differentiation and suppressing Foxp3 expression, making it a potential therapeutic target for treating cancer and inflammatory diseases.

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 Brilliant Violet 605™ 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.

Brilliant Violet 605™ excites at 405 nm and emits at 603 nm. The bandpass filter 610/20 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 605™ is a trademark of Sirigen Group Ltd.

[Learn more about Brilliant Violet™.](#)

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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.
RRID	AB_3699038 (BioLegend Cat. No. 384823) AB_3699038 (BioLegend Cat. No. 384824)

Antigen Details

Structure	Selectin, single chain glycoprotein, 74-95 kD
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	<ol style="list-style-type: none"> 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

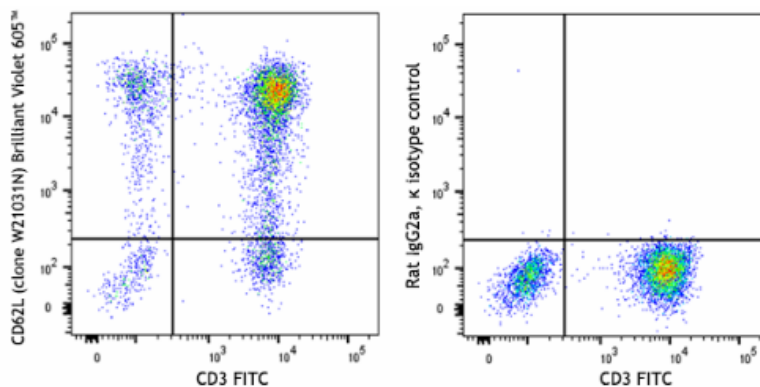
Related Protocols

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

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD3 (clone UCHT1) FITC and anti-human CD62L (clone W21031N) Brilliant Violet 605™ (left) or rat IgG2a, κ Brilliant Violet 605™ isotype control (right).

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