

PerCP/Cyanine5.5 anti-human CD27 Antibody

Catalog# / Size	384909 / 25 tests 384910 / 100 tests
Clone	S20020G
Regulatory Status	RUO
Other Names	S152, T14, TNFRSF7
Isotype	Mouse IgG1, κ
Description	CD27, also known as S152 and T14, is a 50-55 kD type I membrane protein. It is a lymphocyte-specific member of the TNF-receptor superfamily. CD27 is expressed on medullary thymocytes, virtually all mature T cells, some B cells, and NK cells. CD27 binds to CD70 and plays an important role in costimulation of T cell activation, and regulation of B cell differentiation and proliferation. The cytoplasmic domains of CD27 have also been shown to interact with TRAF2 and TRAF5 to elicit NF-κB and SAPK/JNK activation.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Hu CD27 transfected cells
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 PerCP/Cyanine5.5 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 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.
Excitation Laser	Blue Laser (488 nm)
Application Notes	Clone S20020G is able to completely block the binding of clones M-T271 and O323 on target cells. Clone S20020G does not block binding of clone S20020H on target cells.
RRID	AB_3683425 (BioLegend Cat. No. 384909) AB_3683425 (BioLegend Cat. No. 384910)

Antigen Details

Structure	TNF-R superfamily, type I transmembrane glycoprotein, 50-55 kD
Distribution	Medullary thymocytes, T and B cell subsets, NK cells

Function	T cell costimulation
Interaction	TRAF2, TRAF5
Ligand/Receptor	CD70
Cell Type	B cells, Lymphocytes, NK cells, T cells
Biology Area	Costimulatory Molecules, Immunology
Molecular Family	CD Molecules
Antigen References	<ol style="list-style-type: none"> 1. Camerini D, <i>et al.</i> 1991. <i>J Immunol.</i> 147:3156 2. Hintzen R, <i>et al.</i> 1994. <i>Immunol Today.</i> 15:307-11.
Gene ID	939

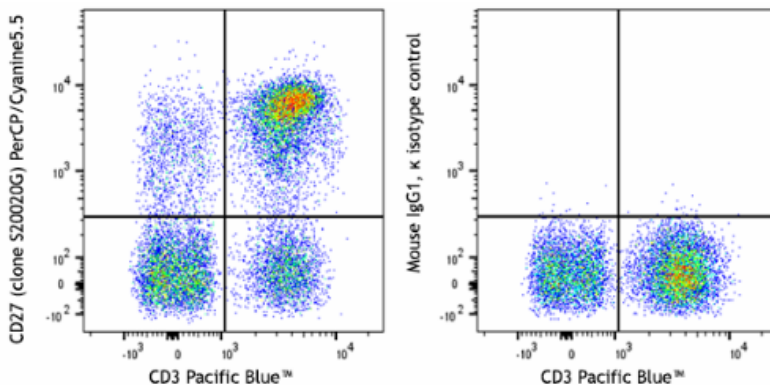
Related Protocols

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

Other Formats

PE/Cyanine7 anti-human CD27, Purified anti-human CD27, Brilliant Violet 510™ anti-human CD27, Spark PLUS UV395™ anti-human CD27, PerCP/Cyanine5.5 anti-human CD27, APC/Cyanine7 anti-human CD27, PE anti-human CD27

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD3 (clone UCHT1) Pacific Blue™ and anti-human CD27 (clone S20020G) PerCP/Cyanine5.5 (left) or mouse IgG1, κ PerCP/Cyanine5.5 isotype control (right).

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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