

APC/Cyanine7 anti-human CD27 Antibody

Catalog# / Size	384911 / 25 tests 384912 / 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- κ B 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 APC/Cyanine7 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.
Excitation Laser	Red Laser (633 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_3675096 (BioLegend Cat. No. 384911) AB_3675096 (BioLegend Cat. No. 384912)

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

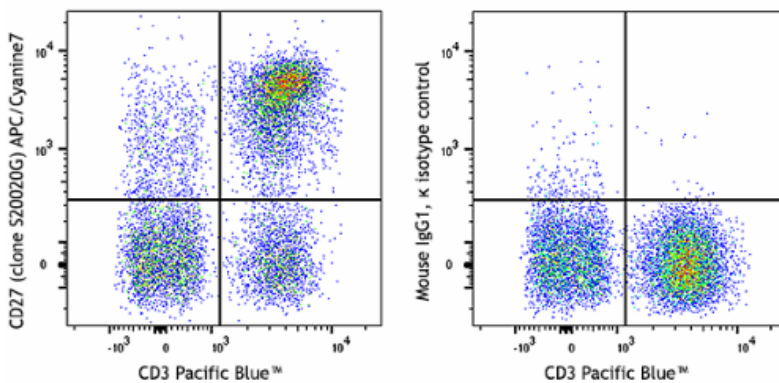
Related Protocols

- [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) APC/Cyanine7 (left) or mouse IgG1, κ APC/Cyanine7 isotype control (right).

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