

Spark Red™ 718 anti-human CD27 Recombinant Antibody

Catalog# / Size	393217 / 25 tests 393218 / 100 tests
Clone	QA17A18
Regulatory Status	RUO
Other Names	S152, T14, TNFRSF7
Isotype	Mouse IgG1, κ
Description	CD27 is a 50-55 kD type I membrane protein also known as S152 and T14. 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 a 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	Recombinant
Host Species	Mouse
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 Red™ 718 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
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. * Spark Red™ 718 has a maximum excitation of 697 nm and a maximum emission of 718 nm.
Excitation Laser	Red Laser (633 nm)
Application Notes	Clone QA17A18 does not block clones 0323, M-T271, or LG.3A10, indicating a unique epitope.
RRID	AB_2924589 (BioLegend Cat. No. 393217) AB_2924589 (BioLegend Cat. No. 393218)

Antigen Details

Structure	TNF-R superfamily, type I transmembrane glycoprotein.
Distribution	Medullary thymocytes, T and B cell subsets, NK cells.
Ligand/Receptor	CD70
Cell Type	B cells, NK cells, T cells, Thymocytes

Biology Area Costimulatory Molecules, Immunology

Molecular Family CD Molecules, TCRs

Antigen References

1. Knapp W, *et al.* 1989. *Immunol. Today* 10:253-8
2. Schlossman S, *et al.* 1995. *Leucocyte Typing V: White Cell Differentiation Antigens*. Oxford University Press.
3. Hintzen R, *et al.* 1994. *Immunol. Today* 15:307.
4. Agematsu K, *et al.* 1995. *J. Immunol.* 154:3627.

Gene ID [939](#)

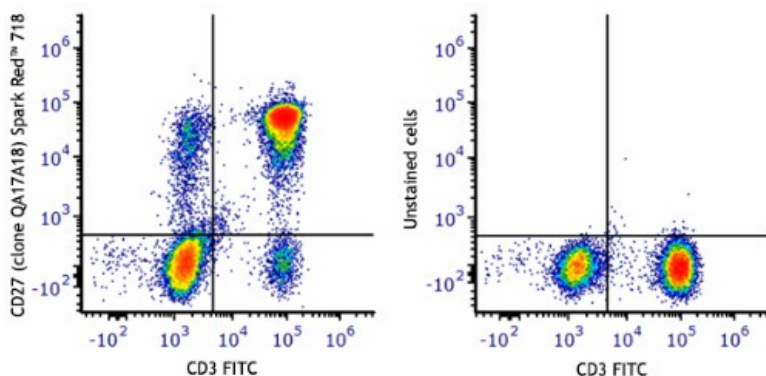
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD27 Recombinant Antibody, Alexa Fluor® 647 anti-human CD27 Recombinant Antibody, PerCP/Cyanine5.5 anti-human CD27 Recombinant Antibody, PE/Cyanine7 anti-human CD27 Recombinant Antibody, Alexa Fluor® 488 anti-human CD27 Recombinant Antibody, PE anti-human CD27 Recombinant Antibody, APC/Fire™ 810 anti-human CD27 Recombinant Antibody, Spark YG™ 581 anti-human CD27 Recombinant Antibody, Spark Red™ 718 anti-human CD27 Recombinant Antibody

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD3 FITC and anti-human CD27 recombinant (clone QA17A18) Spark Red™ 718 (left) or stained with anti-human CD3 FITC only (right).

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