

Spark Violet™ 500 anti-human CD71 Antibody

Catalog# / Size	330935 / 25 tests 330936 / 100 tests
Clone	CY1G4
Regulatory Status	RUO
Workshop	A015
Other Names	T9, Transferrin receptor
Isotype	Mouse IgG2a, κ
Description	CD71 is a 95 kD type II homodimeric transmembrane glycoprotein also known as T9 and transferrin receptor. It is expressed on proliferating cells, reticulocytes, and erythroid precursors. CD71 plays a role in the control of cellular proliferation by facilitating the uptake of iron via ferrotransferrin binding and the recycling of apotransferrin to the cell surface.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	NALM-6 pre-B cell line
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 Violet™ 500 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. * Spark Violet™ 500 has a maximum excitation of 393 nm and a maximum emission of 500 nm.
Excitation Laser	Violet Laser (405 nm)
Application References	1. Schlossman S, <i>et al.</i> Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
(PubMed link indicates BioLegend citation)	
RRID	AB_3717102 (BioLegend Cat. No. 330935) AB_3717102 (BioLegend Cat. No. 330936)

Antigen Details

Structure	Transferrin receptor family, type II glycoprotein, 95 kD
Distribution	Proliferating cells, reticulocytes, erythroid precursors
Function	Mediates uptake of iron
Ligand/Receptor	Transferrin
Biology Area	Immunology
Molecular Family	CD Molecules
Antigen References	1. Hentze M, <i>et al.</i> 1996. <i>P. Natl. Acad. Sci. USA</i> 93:8175. 2. Trowbridge I, <i>et al.</i> 1993. <i>Annu. Rev. Cell Biol.</i> 9:129.
Gene ID	7037

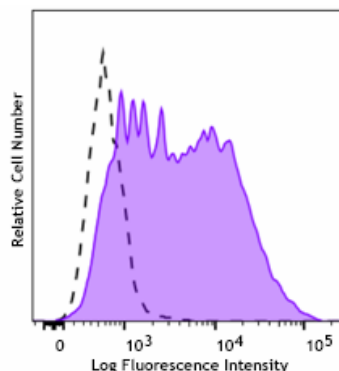
Related Protocols

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

Other Formats

TotalSeq™-D0394 anti-human CD71, APC anti-human CD71, FITC anti-human CD71, PE/Cyanine7 anti-human CD71, APC/Fire™ 750 anti-human CD71, PE/Cyanine5 anti-human CD71, PE/Fire™ 640 anti-human CD71, GMP PE/Cyanine7 anti-human CD71, Spark Blue™ 574 anti-human CD71, PE/Fire™ 700 anti-human CD71, Spark YG™ 593 anti-human CD71, GMP APC/Fire™ 750 anti-human CD71, Spark Red™ 718 anti-human CD71 (Flexi-Fluor™), PE anti-human CD71, Alexa Fluor® 647 anti-human CD71, Purified anti-human CD71, APC/Cyanine7 anti-human CD71, Spark Violet™ 423 anti-human CD71, Pacific Blue™ anti-human CD71 Antibody, Spark Violet™ 500 anti-human CD71 Antibody, Spark NIR™ 685 anti-human CD71 (Flexi-Fluor™), PE/Dazzle™ 594 anti-human CD71, TotalSeq™-A0394 anti-human CD71, TotalSeq™-C0394 anti-human CD71, Brilliant Violet 650™ anti-human CD71, PerCP/Cyanine5.5 anti-human CD71, Spark YG™ 581 anti-human CD71 (Flexi-Fluor™), TotalSeq™-B0394 anti-human CD71, Alexa Fluor® 700 anti-human CD71 Antibody, Spark PLUS B550™ anti-human CD71 (Flexi-Fluor™), Spark PLUS UV395™ anti-human CD71 (Flexi-Fluor™), Brilliant Violet 421™ anti-human CD71

Product Data



PHA-activated (3 days) human peripheral blood lymphocytes were stained with anti-human CD71 (clone CY1G4) Spark Violet™ 500 (filled histogram). Open histogram represents unstained cells.

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