

Spark Red™ 718 anti-human CD56 (NCAM) Recombinant Antibody

Catalog# / Size	392433 / 25 tests 392434 / 100 tests
Clone	QA17A16
Regulatory Status	RUO
Other Names	Leu-19, NKH1
Isotype	Mouse IgG1, κ
Description	CD56 is a single transmembrane glycoprotein also known as NCAM (Neural Cell Adhesion Molecule), Leu-19, or NKH1. It is a member of the Ig superfamily. The 140 kD isoform is expressed on NK cells and NK-T cells. CD56 is also expressed in the brain (cerebellum and cortex) and at neuromuscular junctions. Certain large granular lymphocyte (LGL) leukemias, small-cell lung carcinomas, neuronal derived tumors, myelomas, and myeloid leukemias also express CD56. CD56 plays a role in homophilic and heterophilic adhesion via binding to itself or heparin sulfate.

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)
RRID	AB_2924588 (BioLegend Cat. No. 392433) AB_2924588 (BioLegend Cat. No. 392434)

Antigen Details

Structure	Ig superfamily, single transmembrane or GPI-anchored glycoprotein
Distribution	NK cells, NK-Tcells, brain and neuromuscular junctions, certain large granular lymphocyte (LGL) leukemias, small-cell lung carcinomas, neuronal derived tumors, myelomas, and myeloid leukemias
Function	Adhesion
Ligand/Receptor	Heparin sulfate

Cell Type	Leukemia, Neurons, NK cells, NKT cells
Biology Area	Cell Adhesion, Cell Biology, Costimulatory Molecules, Immunology
Molecular Family	Adhesion Molecules, CD Molecules
Antigen References	<ol style="list-style-type: none"> 1. Lanier L, <i>et al.</i> 1991. <i>J. Immunol.</i> 146:4421. 2. Hemperly J, <i>et al.</i> 1990. <i>J. Mol. Neurosci.</i> 2:71. 3. Cremer H, <i>et al.</i> 1994. <i>Nature</i> 367:455.
Gene ID	4684

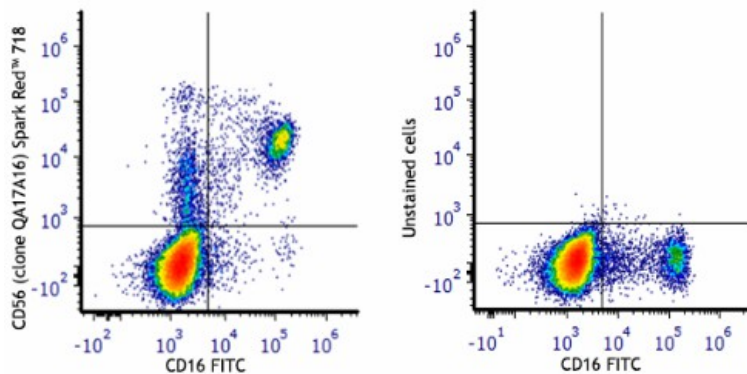
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD56 (NCAM) Recombinant Antibody, PE anti-human CD56 (NCAM) Recombinant Antibody, APC anti-human CD56 (NCAM) Recombinant Antibody, Alexa Fluor® 700 anti-human CD56 (NCAM) Recombinant Antibody, APC/Fire™ 750 anti-human CD56 (NCAM) Recombinant Antibody, PE/Dazzle™ 594 anti-human CD56 (NCAM) Recombinant Antibody, FITC anti-human CD56 (NCAM) Recombinant Antibody, PE/Cyanine7 anti-human CD56 (NCAM) Recombinant Antibody, Pacific Blue™ anti-human CD56 (NCAM) Recombinant Antibody, TotalSeq™-A0084 anti-human CD56 (NCAM) Recombinant Antibody, PerCP/Cyanine5.5 anti-human CD56 (NCAM) Recombinant Antibody, TotalSeq™-B0084 anti-human CD56 (NCAM) Recombinant Antibody, TotalSeq™-C0084 anti-human CD56 (NCAM) Recombinant Antibody, PE/Fire™ 700 anti-human CD56 (NCAM) Recombinant Antibody, Spark YG™ 581 anti-human CD56 (NCAM) Recombinant Antibody, PE/Fire™ 640 anti-human CD56 (NCAM) Recombinant Antibody, PE anti-human CD56, APC/Fire™ 750 anti-human CD56, APC anti-human CD56, FITC anti-human CD56, PerCP/Cyanine5.5 anti-human CD56, PE/Cyanine7 anti-human CD56, Pacific Blue™ anti-human CD56, PE/Dazzle™ 594 anti-human CD56, Spark Red™ 718 anti-human CD56 (NCAM) Recombinant Antibody, PE/Fire™ 810 anti-human CD56 (NCAM) Recombinant Antibody

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD16 FITC and anti-human CD56 (NCAM) recombinant (clone QA17A16) Spark Red™ 718 (left), or stained with anti-human CD16 FITC only (right).

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