

PE/Fire™ 744 anti-human CD56 (NCAM) Recombinant Antibody

Catalog# / Size	392447 / 25 tests 392448 / 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 PE/Fire™ 744 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. True-Stain Monocyte Blocker™ (Cat No. 426102) is recommended to minimize non-specific staining of PE/Fire™ 744 on monocytes and macrophages. * PE/Fire™ 744 has a maximum excitation of 565 nm and a maximum emission of 744 nm.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
RRID	AB_3720500 (BioLegend Cat. No. 392447) AB_3720500 (BioLegend Cat. No. 392448)

Antigen Details

Structure	Ig superfamily, single transmembrane or GPI-anchored glycoprotein
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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	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

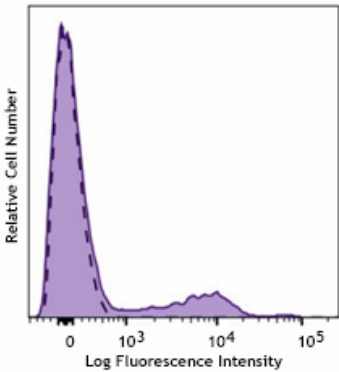
Related Protocols

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

Other Formats

Spark YG™ 581 anti-human CD56 (NCAM) Recombinant Antibody, PE/Fire™ 640 anti-human CD56 (NCAM) Recombinant Antibody, PE anti-human CD56, APC anti-human CD56, PerCP/Cyanine5.5 anti-human CD56, APC/Fire™ 750 anti-human CD56, FITC 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, Pacific Blue™ anti-human CD56 (NCAM) Recombinant Antibody, Purified anti-human CD56 (NCAM) Recombinant Antibody, PE anti-human CD56 (NCAM) Recombinant Antibody, APC/Fire™ 750 anti-human CD56 (NCAM) Recombinant Antibody, PE/Dazzle™ 594 anti-human CD56 (NCAM) Recombinant Antibody, APC anti-human CD56 (NCAM) Recombinant Antibody, Alexa Fluor® 700 anti-human CD56 (NCAM) Recombinant Antibody, GMP PE anti-human CD56 (NCAM), GMP APC/Fire™ 750 anti-human CD56 (NCAM), PerCP/Fire™ 806 anti-human CD56 (NCAM) Recombinant Antibody, StarBright UltraViolet 575 anti-human CD56 (NCAM) Recombinant Antibody, PE/Fire™ 744 anti-human CD56 (NCAM) Recombinant Antibody, Spark PLUS UV395™ anti-human CD56 (NCAM) Recombinant Antibody, FITC anti-human CD56 (NCAM) Recombinant Antibody, PE/Cyanine7 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, GMP FITC anti-human CD56 (NCAM), GMP APC anti-human CD56 (NCAM), PerCP/Fire™ 780 anti-human CD56 (NCAM) Recombinant Antibody, StarBright UltraViolet 740 anti-human CD56 (NCAM) Recombinant Antibody, Spark YG™ 581 anti-human CD56 (NCAM) Recombinant (Flexi-Fluor™) Antibody, GMP PE/Cyanine7 anti-human CD56 (NCAM), GMP PerCP/Cyanine5.5 anti-human CD56 (NCAM), GMP Pacific Blue™ anti-human CD56 (NCAM), GMP PE/Dazzle™ 594 anti-human CD56 (NCAM), Spark PLUS B574™ anti-human CD56 (NCAM) Recombinant Antibody, PE/Fire™ 700 anti-human CD56 (NCAM) Recombinant Antibody

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD56 (NCAM) recombinant (clone QA17A16) PE/Fire™ 744 (filled histogram) or mouse IgG1, κ PE/Fire™ 744 isotype control (open histogram).

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