PE/Fire™ 810 anti-human CD56 (NCAM) Antibody

Catalog# / Size	362579 / 25 tests
Clone	5.1H11
Regulatory Status	RUO
Other Names	Leu-19, NKH1, NCAM-1
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 and NKT 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 heparan sulfate.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Human myotube 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 PE/Fire™ 810 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. * PE/Fire™ 810 has a maximum excitation of 488/561 nm and a maximum emission of 810 nm. Excessive exposure to light, and commonly used fixation, permeabilization buffers can affect PE/Fire™ 810 fluorescence signal intensity and spread. Please keep conjugates protected from light exposure. For more information and representative data, visit our Fire Dyes page.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application References **(PubMed link indicates BioLegend citation)**	1. Walsh FS, *et al.* 1981. *Nature* 289:60. (FC) 2. Pavlath GK, *et al.* 1986. *J. Cell Biol.* 102:124. (FC) 3. Pavlath GK, *et al.* 1989. *Nature* 337:570. (FC) 4. Pulido R, *et al.* 1988. *J. Immunol.* 140:3851. (FC)
RRID	AB_3683384 (BioLegend Cat. No. 362579)

Antigen Details

Structure	Ig superfamily, single transmembrane or GPI-anchored glycoprotein
Distribution	NK cells, T subset, neural tissue, some LGL and myeloid leukemias
Function	Adhesion
Ligand/Receptor	Heparan sulfate
Antigen References	1. Lanier L, *et al.* 1991. *J. Immunol.* 146:4421 2. Hemperly J, *et al.* 1990. *J. Mol. Neurosci.* 2:71 3. Cremer H, *et al.* 1994. *Nature* 367:455.
Gene ID	4684

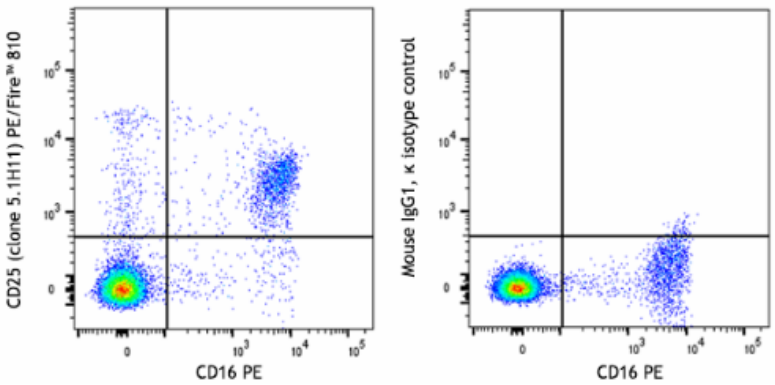
Related Protocols

- Cell Surface Flow Cytometry Staining Protocol

Other Formats

Purified anti-human CD56 (NCAM), APC anti-human CD56 (NCAM), PerCP/Cyanine5.5 anti-human CD56 (NCAM), PE anti-human CD56 (NCAM), PE/Cyanine7 anti-human CD56 (NCAM), APC/Cyanine7 anti-human CD56 (NCAM), PE/Cyanine5 anti-human CD56 (NCAM), Alexa Fluor® 647 anti-human CD56 (NCAM), Alexa Fluor® 488 anti-human CD56 (NCAM), Pacific Blue™ anti-human CD56 (NCAM), Alexa Fluor® 700 anti-human CD56 (NCAM), PerCP anti-human CD56 (NCAM), Brilliant Violet 650™ anti-human CD56 (NCAM), Brilliant Violet 510™ anti-human CD56 (NCAM), Brilliant Violet 421™ anti-human CD56 (NCAM), Biotin anti-human CD56 (NCAM), Brilliant Violet 605™ anti-human CD56 (NCAM), Brilliant Violet 570™ anti-human CD56 (NCAM), Brilliant Violet 711™ anti-human CD56 (NCAM), PE/Dazzle™ 594 anti-human CD56 (NCAM), FITC anti-human CD56 (NCAM), Brilliant Violet 785™ anti-human CD56 (NCAM), Ultra-LEAF™ Purified anti-human CD56 (NCAM), APC/Fire™ 750 anti-human CD56 (NCAM), Brilliant Violet 750™ anti-human CD56 (NCAM), TotalSeq™-A0047 anti-human CD56 (NCAM), TotalSeq™-C0047 anti-human CD56 (NCAM), TotalSeq™-B0047 anti-human CD56 (NCAM), Spark NIR™ 685 anti-human CD56 (NCAM), KIRAVIA Blue 520™ anti-human CD56 (NCAM), GMP PE anti-human CD56 (NCAM), TotalSeq™-D0047 anti-human CD56 (NCAM), GMP APC anti-human CD56 (NCAM), Spark YG™ 593 anti-human CD56 (NCAM), Cell-Vive™ GMP Ultra-LEAF™ Purified anti-human CD56 (NCAM) SF, Spark Red™ 718 anti-human CD56 (NCAM), Cell-Vive™ GMP Ultra-LEAF™ Biotin anti-human CD56 (NCAM) SF, APC/Fire™ 810 anti-human CD56 (NCAM), PE/Fire™ 810 anti-human CD56 (NCAM), Spark YG™ 581 anti-human CD56 (NCAM) (Flexi-Fluor™)

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD16 (clone 3G8) PE and anti-human CD56 (NCAM) (clone 5.1H11) PE/Fire™ 810 (left) or mouse IgG1, κ PE/Fire™ 810 isotype control (right).

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587