

## PE/Cyanine7 anti-human CD56 (NCAM) Recombinant Antibody

<b>Catalog# / Size</b>	392411 / 25 tests 392412 / 100 tests
<b>Clone</b>	QA17A16
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Leu-19, NKH1
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Description</b>	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

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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Recombinant
<b>Host Species</b>	Mouse
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our <a href="#">Concentration and Expiration Lookup</a> or <a href="#">Certificate of Analysis</a> online tools.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is 5 $\mu$ l per million cells in 100 $\mu$ l staining volume or 5 $\mu$ l per 100 $\mu$ l of whole blood.
<b>Excitation Laser</b>	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
<b>Additional Product Notes</b>	BioLegend is in the process of converting the name PE/Cy7 to PE/Cyanine7. The dye molecule remains the same, so you should expect the same quality and performance from our PE/Cyanine7 products. Please contact <a href="#">Technical Service</a> if you have any questions.
<b>Product Citations</b>	1. Forsberg EMV, <i>et al.</i> 2019. Cancer Res. 79:899. <a href="#">PubMed</a>
<b>RRID</b>	AB_2728407 (BioLegend Cat. No. 392411) AB_2728408 (BioLegend Cat. No. 392412)

### Antigen Details

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<b>Structure</b>	Ig superfamily, single transmembrane or GPI-anchored glycoprotein
<b>Distribution</b>	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

<b>Function</b>	Adhesion
<b>Ligand/Receptor</b>	Heparin sulfate
<b>Cell Type</b>	Leukemia, Neurons, NK cells, NKT cells
<b>Biology Area</b>	Cell Adhesion, Cell Biology, Costimulatory Molecules, Immunology
<b>Molecular Family</b>	Adhesion Molecules, CD Molecules
<b>Antigen References</b>	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.
<b>Gene ID</b>	<a href="#">4684</a>

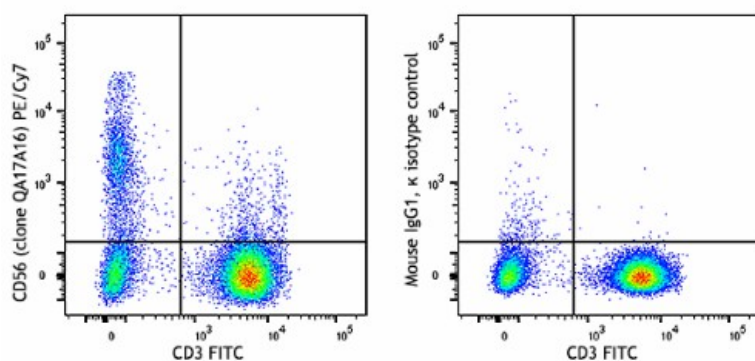
## Related Protocols

[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 FITC CD3 and PE/Cyanine7 CD56 (Clone QA17A16) (left) or PE/Cyanine7 mouse IgG1, ? isotype control (right).

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