

## PerCP/Fire™ 806 anti-human CD56 (NCAM) Recombinant Antibody

|                          |   |
|--------------------------|---|
| <b>Catalog# / Size</b>   | 392439 / 25 tests<br>392440 / 100 tests   |
| <b>Clone</b>             | QA17A16   |
| <b>Regulatory Status</b> | RUO   |
| <b>Other Names</b>       | Leu-19, NKH1  |
| <b>Isotype</b>           | Mouse IgG1, κ   |
| <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 PerCP/Fire™ 806 under optimal conditions.  |
| <b>Concentration</b>          | Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our <a href="#">Certificate of Analysis</a> online tool.)   |
| <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 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.<br><br>* PerCP/Fire™ 806 has a maximum excitation of 478 nm and a maximum emission of 806 nm. |
| <b>Excitation Laser</b>       | Blue Laser (488 nm)   |
| <b>RRID</b>                   | AB_3683449 (BioLegend Cat. No. 392439)<br>AB_3683449 (BioLegend Cat. No. 392440)  |

### 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.<br>2. Hemperly J, <i>et al.</i> 1990. <i>J. Mol. Neurosci.</i> 2:71.<br>3. Cremer H, <i>et al.</i> 1994. <i>Nature</i> 367:455. |
| <b>Gene ID</b>            | <a href="#">4684</a>  |

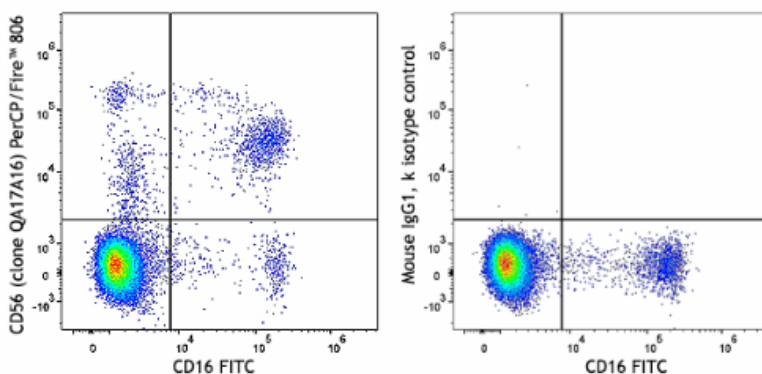
## Related Protocols

- [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, Spark PLUS UV395™ anti-human CD56 (NCAM) Recombinant Antibody, GMP PE/Cyanine7 anti-human CD56 (NCAM), GMP PerCP/Cyanine5.5 anti-human CD56 (NCAM), GMP PE anti-human CD56 (NCAM), GMP FITC anti-human CD56 (NCAM), GMP APC/Fire™ 750 anti-human CD56 (NCAM), GMP APC anti-human CD56 (NCAM), PerCP/Fire™ 806 anti-human CD56 (NCAM) Recombinant Antibody, PerCP/Fire™ 780 anti-human CD56 (NCAM) Recombinant Antibody, GMP Pacific Blue™ anti-human CD56 (NCAM), GMP PE/Dazzle™ 594 anti-human CD56 (NCAM), StarBright UltraViolet 575 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

## Product Data



Human peripheral blood lymphocytes were stained with anti-human CD16 (clone 3G8) FITC and anti-human CD56 (NCAM) recombinant (clone QA17A16) PerCP/Fire™ 806 (left) or mouse IgG1, k PerCP/Fire™ 806 isotype control (right)

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