

anti-Human CD56 Antibody | anti-CD56 antibody

Anti-Hu CD56 PE-Cy5

CATALOG # AAA129239	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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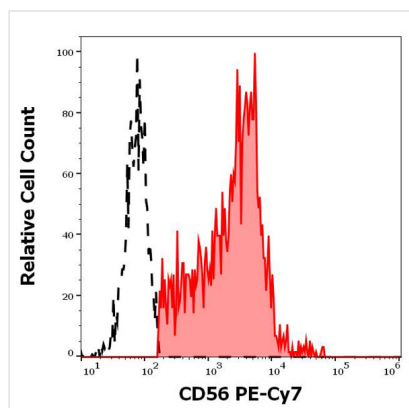
PRODUCT SYNONYMS

CD56; Anti-Hu CD56 PE-Cy5; neural cell adhesion molecule 1; NCAM1; MSK39; anti-CD56 antibody

PRODUCT SPECIFICATIONS

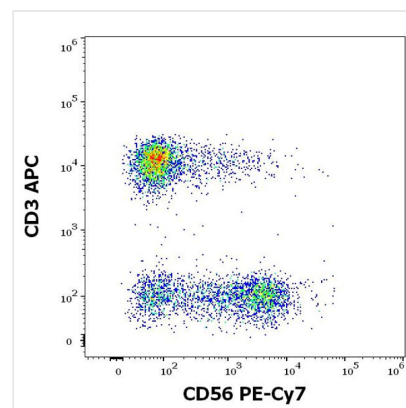
Reactivity	Human
Isotype	Mouse IgG2a
Clone Number	LT56
Specificity	The mouse monoclonal antibody LT56 recognizes an extracellular epitope of CD56 (NCAM), a transmembrane glycoprotein expressed ubiquitously in the nervous system and found also on T cells and NK cells.
Form/Format	PE-Cy5 Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 5 (PE-Cy5) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffer
Applicable Applications for anti-CD56 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Cell line KG1a
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



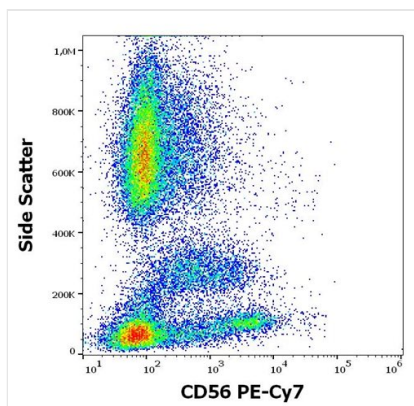
FCM/FACS (Flow Cytometry)

Separation of human CD56 positive CD3 negative lymphocytes (red-filled) from CD56 negative CD3 positive lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD56 (LT56) PE-CyTM5 antibody (4 μ l reagent / 100 μ l of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human CD56 (LT56) PE-CyTM5 antibody (4 μ l reagent / 100 μ l of peripheral whole blood) and anti-human CD3 (UCHT1) APC antibody (10 μ l reagent / 100 μ l of peripheral whole blood).



FCM/FACS (Flow Cytometry)
Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD56 (LT56) PE-Cy7™5 antibody (4 µl reagent / 100 µl of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD56 antibody	CD56 (NCAM, neural cell adhesion molecule) is a transmembrane glycoprotein of immunoglobulin family serving as adhesive molecule which is ubiquitously expressed in nervous system, usually as 120 kDa, 140 kDa or 180 kDa isoform, and it is also found on T cells and NK cells. Polysialic modification results in reduction of CD56-mediated cell adhesion and is involved in cell migration, axonal growth, pathfinding and synaptic plasticity. CD56 is a widely used neuroendocrine marker with a high sensitivity for neuroendocrine tumours and ovarian granulosa cell tumours.
References	*Munteanu AN, Surcel M, Huica RI, Isvoranu G, Constantin C, Pirvu IR, Chifiriuc C, Ulmeanu C, Ursaciuc C, Neagu M: Peripheral immune cell markers in children with recurrent respiratory infections in the absence of primary immunodeficiency. <i>Exp Ther Med</i> 2019, June 26, 1693-1700, URL: https://www.spandidos-publications.com/10.3892/etm.2019.7714, *McCluggage WG, McKenna M, McBride HA: CD56 is a sensitive and diagnostically useful immunohistochemical marker of ovarian sex cord-stromal tumors. <i>Int J Gynecol Pathol.</i> 2007 Jul;26(3):322-7., URL: <a 17583777?ordin,*jakovcevi="" <i="" acid-neural="" adhesion="" axonal="" cell="" coincides="" down-regulation="" expression="" fetal="" forebrain.="" href="https://www.ncbi.nlm.nih.gov/pubmed/17581419?ordin,*Ohishi Y, Kaku T, Oya M, Kobayashi H, Wake N, Tsuneyoshi M: CD56 expression in ovarian granulosa cell tumors, and its diagnostic utility and pitfalls. <i>Gynecol Oncol.</i> 2007 Oct;107(1):30-8., URL: Neuroscience. 2007 Oct 26;149(2):328-37., URL: <a 1710251?ordina"="" href="https://www.ncbi.nlm.nih.gov/pubmed/17900814?ordin,*Lanier LL, Chang C, Azuma M, Ruitenberg JJ, Hemperly JJ, Phillips JH: Molecular and functional analysis of human natural killer cell-associated neural cell adhesion molecule (N-CAM/CD56). <i>J Immunol.</i> 1991 Jun 15;146(12):4421-6., URL: https://www.ncbi.nlm.nih.gov/pubmed/1710251?ordina,

NCBI AND UNIPROT INFORMATION

NCBI GI #	205830665
NCBI GeneID	4684
UniProt Accession #	P13591; P13592; P13593; Q05C58; Q15829; Q16180; Q16209; Q59FL7; Q86X47; Q96CJ3; A8K8T8
Molecular Weight	858
NCBI Official Full Name	Neural cell adhesion molecule 1
NCBI Official Synonym Full Names	neural cell adhesion molecule 1
NCBI Official Symbol	NCAM1
NCBI Official Synonym Symbols	CD56; NCAM; MSK39
NCBI Protein Information	neural cell adhesion molecule 1; neural cell adhesion molecule, NCAM; antigen recognized by monoclonal antibody 5.1H11
UniProt Protein Name	Neural cell adhesion molecule 1

UniProt Gene Name	NCAM1
UniProt Synonym Gene Names	NCAM; N-CAM-1; NCAM-1
UniProt Entry Name	NCAM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-antibody/cd56/129239>