

Mouse anti-Human CD56 Monoclonal Antibody | anti-CD56 antibody

Anti-Hu CD56 PE-DyLight594

CATALOG # AAA129168	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD56; Monoclonal Antibody; Anti-Hu CD56 PE-DyLight594; NCAM1; MSK39; neural cell adhesion molecule 1; anti-CD56 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
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.
Purity/Purification	The purified antibody is conjugated with tandem dye PE-DyLight594 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide
Applicable Applications for anti-CD56 antibody	FCM/FACS (Flow Cytometry)
Conjugation	PE-DyLight594
Immunogen	Cell line KG1a
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

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 120kDa, 140kDa or 180kDa 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.
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References	*Munteanu AN, Surcel M, Huic? 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. Exp Ther Med 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. Int J Gynecol Pathol. 2007 Jul;26(3):322-7., URL: https://www.ncbi.nlm.nih.gov/pubmed/17581419ordin,*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. Gynecol Oncol. 2007 Oct;107(1):30-8., URL: https://www.ncbi.nlm.nih.gov/pubmed/17583777ordin,*Jakovcevski I, Mo Z, Zecevic N: Down-regulation of the axonal polysialic acid-neural cell adhesion molecule expression coincides with the onset of myelination in the human fetal forebrain. Neuroscience. 2007 Oct 26;149(2):328-37., URL: https://www.ncbi.nlm.nih.gov/pubmed/17900814ordin,*Lanier LL, Chang C, Azuma M, Ruitenberg JJ, Hemperly JJ, Phillips JH: Molecular and Functional Application (FUNC)tional analysis of human natural killer cell-associated neural cell adhesion molecule (N-CAM/CD56). J Immunol. 1991 Jun 15;146(12):4421-6., URL: https://www.ncbi.nlm.nih.gov/pubmed/1710251ordina
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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://www.aaabiotech.com/monoclonal/cd56-antibody-clone-1t56-flow-cytometry-elisa/129168>