

Mouse anti-Human CD56 Antibody | anti-CD56 antibody

Anti-Hu CD56 Biotin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129347	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot

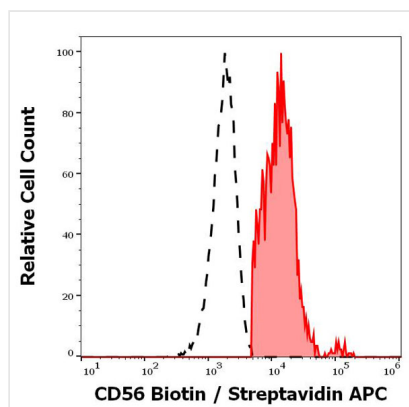
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

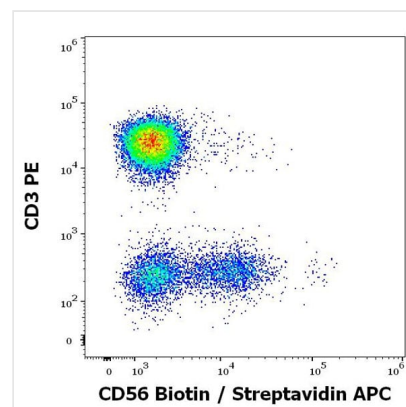
Host	Mouse
Reactivity	Human
Isotype	Mouse IgG2a
Clone Number	LT56
Specificity	The mouse monoclonal antibody LT56 recognizes an extracellular epitope of CD56 (NCAM), a transmembrane glycoprotein expressed ubiquitously in the nervous system and found also on T cells and NK cells.
Purity/Purification	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.
Form/Format	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD56 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Cell line KG1a
Conjugation	Biotin
Preparation and Storage	Store at 2-8 degree C. Do not freeze.

IMAGES



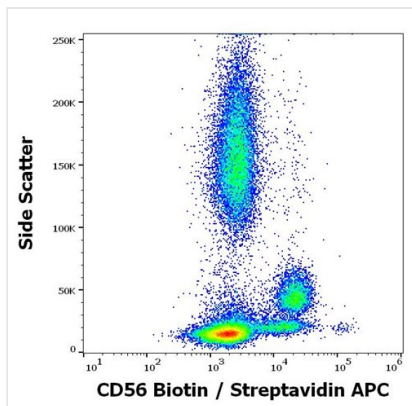
FCM/FACS (Flow Cytometry)

Separation of human CD56 positive CD3 negative NK cells (red-filled) from CD56 negative CD3 positive T cells (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD56 (LT56) Biotin antibody (concentration in sample 0.56ug/ml, Streptavidin APC).



FCM/FACS (Flow Cytometry)

Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD3 (UCHT1) PE antibody (20ul reagent/100ul of peripheral whole blood) and anti-human CD56 (LT56) Biotin antibody (concentration in sample 0.56ug/ml, Streptavidin APC).



FCM/FACS (Flow Cytometry)
Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD56 (LT56) Biotin antibody (concentration in sample 0.56ug/ml, Streptavidin APC).

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	*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/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. Gynecol Oncol. 2007 Oct;107(1):30-8., URL: https://www.ncbi.nlm.nih.gov/pubmed/17583777?ordin,*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/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). J Immunol. 1991 Jun 15;146(12):4421-6., URL: https://www.ncbi.nlm.nih.gov/pubmed/1710251 ordina, *Munteanu AN, Surcel M, Huic? RI, Isvoranu G, Constantin C, Pîrvu 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,

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/cd56/129347>