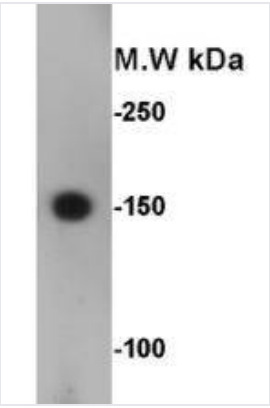
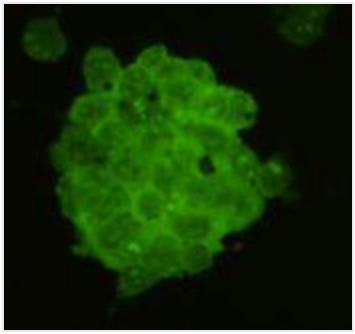
CD56 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD56, Polyclonal Antibody
Full Product Name	CD56 Antibody
Product Gene Name	anti-CD56 antibody
Product Synonym Names	antigen recognized by monoclonal antibody; 5.1H11 antibody; CD56 antibody; Cell adhesion molecule; neural; 1 antibody; MSK39 antibody; N-CAM 140 antibody; N-CAM-1 antibody; NCAM antibody; NCAM-1 antibody; NCAM1 antibody; NCAM1_HUMAN antibody; Neural cell adhesion molecule 1 antibody; Neural cell adhesion molecule antibody; neural cell adhesion molecule; NCAM antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Purity/Purification	Immunogen affinity purified
Preparation and Storage	Store at -20 degree C.
Molecular Weight	858
OMIM	116930
3D Structure	ModBase 3D Structure for P13591
Immunogen	Peptide
Conjugation	Unconjugated
Product Categories/Family for anti-CD56 antibody	Total protein Ab
Applications Tested/Suitable for anti-CD56 antibody	Western Blot (WB), Immunocytochemistry (ICC)
Application Notes for anti-CD56 antibody	WB: 1:1000 ICC: 1:50
Related Product Information for anti-CD56 antibody	Neural Cell Adhesion Molecule (NCAM, also the cluster of differentiation CD56) is a homophilic binding glycoprotein expressed on the surface of neurons, glia, skeletal muscle and natural killer cells. NCAM has been implicated as having a role in cellCcell adhesion, neurite outgrowth, synaptic plasticity, and learning and memory. NCAM is a glycoprotein of Immunoglobulin (Ig) superfamily. The three main isoforms of NCAM vary only in their cytoplasmic domain: NCAM-120kDa (GPI anchored), NCAM-140kDa (short cytoplasmic domain) and NCAM-180kDa (long cytoplasmic domain).
Other Notes	Small volumes of anti-CD56 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD56 purchase	MBS9435008 is an antibody targeting CD56. Also known as CD56 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-CD56 antibody
Western blot analysis on NCCIT cell lysates using anti-CD56 rabbit polyclonal antibody.



Immunocytochemistry (ICC) of anti-CD56 antibody
ICC image of CD56 antibody stained F9 cells. The secondary antibody (green) was goat anti-rabbit IgG (H+L) FITC conjugated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD56. It may not necessarily be applicable to this product.

NCBI GI #	205830665
NCBI GeneID	4684
NCBI Accession #	P13591.3
UniProt Primary Accession #	P13591
UniProt Secondary Accession #	P13592; P13593; Q05C58; Q15829; Q16180; Q16209; Q59FL7; Q86X47; Q96CJ3; A8K8T8
UniProt Related Accession #	P13591
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
UniProt Protein Name	Neural cell adhesion molecule 1
UniProt Synonym Protein Names	CD_antigen: CD56
UniProt Gene Name	NCAM1
UniProt Synonym Gene Names	NCAM; N-CAM-1; NCAM-1
UniProt Entry Name	NCAM1_HUMAN
NCBI Protein Information	neural cell adhesion molecule 1; neural cell adhesion molecule, NCAM; antigen recognized by monoclonal antibody 5.1H11
NCBI Summary for CD56	This gene encodes a cell adhesion protein which is a member of the immunoglobulin superfamily. The encoded protein is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. The encoded protein has been shown to be involved in development of the nervous system, and for cells involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011]

UniProt Comments for CD56	NCAM1: This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc. 6 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, GPI anchor; Membrane protein, integral; Cell adhesion; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 11q23.1 Cellular Component: Golgi membrane; cell surface; membrane; integral to membrane; plasma membrane; external side of plasma membrane Molecular Function: identical protein binding Biological Process: axon guidance; extracellular matrix organization and biogenesis; cytokine and chemokine mediated signaling pathway; cell adhesion
Research Articles on CD56	**1.** NCAM expression in myelinating Schwann cells is indicative of early Schwann cell abnormalities.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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