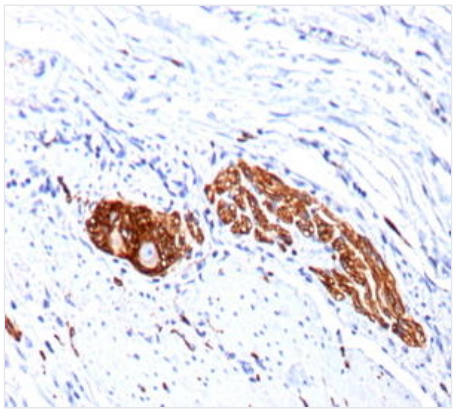
CD56 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD56, Monoclonal Antibody
Full Product Name	CD56 (NCAM1, NCAM, Leu-19, NKH1, MSK39, NCAM120, NCAM140, NCAM180, Neural Cell Adhesion Molecule) (APC)
Product Gene Name	anti-CD56 antibody
Product Synonym Names	NCAM1; NCAM; Leu-19; NKH1; MSK39; NCAM120; NCAM140; NCAM180; Neural Cell Adhesion Molecule
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	123C3.D5; 123A8
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in 10mM PBS. No preservative added. BSA-Free. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A/G Affinity Chromatography.
Specificity	Recognizes human CD56 (NCAM1).
Preparation and Storage	May be stored at 4 degree C before opening. DO NOT FREEZE! Stable at 4 degree C as an undiluted liquid. Dilute only prior to immediate use. Stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer. APC is light sensitive.
Molecular Weight	858
OMIM	116930
3D Structure	ModBase 3D Structure for P13591
Immunogen	Membrane preparation of a small cell lung carcinoma. Cellular Localization: Cell surface
Conjugate	APC
Positive Control	Cerebellum, Pancreas, Neuroblastoma
Special Handling	Light sensitive
Product Categories/Family for anti-CD56 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD56 antibody	Flow Cytometry (FC/FACS), Immunofluorescence (IF), Immunohistochemistry (IHC) Frozen/Paraffin, Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-CD56 antibody	FC/FACS: 0.5-1ug/million cells IHC-F/P: 0.5-1ug/ml for 30 minutes at RT IP: 1-2ug/500ug protein lysate IF: 1-2ug/ml WB: 0.5-1ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-CD56 antibody	MBS6122826 is an antibody targeting CD56. Also known as CD56 (NCAM1, NCAM, Leu-19, NKH1, MSK39, NCAM120, NCAM140, NCAM180, Neural Cell Adhesion Molecule) (APC). Reactive in Human. Host: Mouse.
Product References and Citations for anti-CD56 antibody	1. Gerardy-Schahn R; et. al. Int Journal of Cancer. Supplement, 1994, 8:38-42. 2. Michalides R; et. al. International Journal of Cancer. Supplement, 1994, 8:34-7. 3. Schol DJ; et. al. Int J Cancer. Supplement, 1988, 2:34-40

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.



Immunohistochemistry (IHC) of anti-CD56 antibody
Formalin-fixed, paraffin-embedded human colon ganglion stained with CD56 MAb (123C3.D5+123A8)

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
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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