NCAM1 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	NCAM1, Blocking Peptide
Full Product Name	NCAM1 Peptide - C-terminal region
Product Gene Name	NCAM1 blocking peptide
Product Synonym Gene Name	CD56; NCAM; MSK39
Sequence	Synthetic peptide located within the following region: GKDMEEGKAA FSKDESKEPI VEVRTEEERT PNHDGGKHTE PNETTPLTEP
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	NCAM1 peptide (MBS3247789) is used for blocking the activity of NCAM1 antibody (MBS3223142)
Molecular Weight	94 kDa
OMIM	116930
Product Categories/Family for NCAM1 blocking peptide	Peptide
Related Product Information for NCAM1 blocking peptide	This is a synthetic peptide designed for use in combination with anti- NCAM1 Antibody, made Target Description: 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.
Other Notes	Small volumes of NCAM1 blocking peptide 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 NCAM1 purchase	MBS3247789 is a blocking peptide targeting NCAM1. Also known as NCAM1 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NCAM1. It may not necessarily be applicable to this product.

NCBI GI #	94420689
NCBI GeneID	4684
NCBI Accession #	NP_000606.3
UniProt Primary Accession #	P13591
UniProt Related Accession #	P13591
GenBank Nucleotide #	NM_000615.6
NCBI Official Full Name	neural cell adhesion molecule 1 isoform 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
Protein Family	Neural cell adhesion molecule
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
NCBI Summary for NCAM1	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 NCAM1	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 NCAM1	**1.** Findings provide evidence that NCAM/CD56 is a pathogen recognition receptor and plays a functional role for the NK cell cytotoxicity in the innate immune response. NK cells directly interact with A. fumigatus via CD56 and that CD56 is re-organized and accumulated at this interaction site time-dependently.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-blocking-peptide/ncam1/3247789