CD96 Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	CD96, Blocking Peptide
Full Product Name	CD96 Immunizing Peptide
Product Gene Name	CD96 blocking peptide
Product Synonym Names	CD96; CD96 molecule; TACTILE; CD96 antigen; T cell activation, increased late expression; T-cell surface protein tactile; cell surface antigen CD96; t cell-activated increased late expression protein
Sequence	KYTCIQEPNE SD
Species Reactivity	Human
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	CD96 peptide (MBS428557) is used for blocking the activity of CD96 antibody (MBS423321)
Molecular Weight	63,888 Da
OMIM	211750
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for CD96 blocking peptide	MBS428557 is a blocking peptide targeting CD96. Also known as CD96 Immunizing Peptide. Reactive in Human.
Other Notes	Small volumes of CD96 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD96. It may not necessarily be applicable to this product.

NCBI GI #	38683840
NCBI GeneID	10225
NCBI Accession #	NP_937839.1
NCBI Related Accession #	NP_005807.1
UniProt Secondary Accession #	Q5JPB3
UniProt Related Accession #	P40200
GenBank Nucleotide #	NM_198196.2
NCBI Official Full Name	T-cell surface protein tactile isoform 1
NCBI Official Synonym Full Names	CD96 molecule
NCBI Official Symbol	CD96
NCBI Official Synonym Symbols	TACTILE
UniProt Protein Name	T-cell surface protein tactile
UniProt Synonym Protein Names	Cell surface antigen CD96; T cell-activated increased late expression protein; CD_antigen: CD96

Protein Family	T-cell surface protein tactile
UniProt Gene Name	CD96
UniProt Entry Name	TACT_HUMAN
NCBI Protein Information	T-cell surface protein tactile
NCBI Summary for CD96	The protein encoded by this gene belongs to the immunoglobulin superfamily. It is a type I membrane protein. The protein may play a role in the adhesive interactions of activated T and NK cells during the late phase of the immune response. It may also function in antigen presentation. Alternative splicing generates multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jan 2016]
UniProt Comments for CD96	CD96: May be involved in adhesive interactions of activated T and NK cells during the late phase of the immune response. Promotes NK cell-target adhesion by interacting with PVR present on target cells. May function at a time after T and NK cells have penetrated the endothelium using integrins and selectins, when they are actively engaging diseased cells and moving within areas of inflammation. Defects in CD96 are a cause of C syndrome (CSYN); also called Opitz trigonocephaly syndrome. This syndrome is characterized by trigonocephaly and associated anomalies, such as unusual facies, wide alveolar ridges, multiple buccal frenula, limb defects, visceral anomalies, redundant skin, psychomotor retardation and hypotonia. A chromosomal aberration involving CD96 has been found in a patient with C syndrome. Translocation t(3;18)(q13.13;q12.1). CD96 gene was located at the 3q13.13 breakpoint. Precise structural analysis around the breakpoint showed that the gene was disrupted by the translocation in exon 5, probably leading to premature termination or loss of expression of CD96 protein. No gene was detected at the chromosome 18 breakpoint. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 3q13.13-q13.2 Cellular Component: adherens junction; cytoplasm; integral to plasma membrane; plasma membrane Biological Process: cell adhesion; cell-matrix adhesion; immune response; regulation of immune response Disease: C Syndrome
Research Articles on CD96	**1.** CD96 and CD123 are expressed in bone marrow cells of patients with myelodysplastic syndromes
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