CTSW Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	CTSW, Blocking Peptide
Full Product Name	CTSW Peptide - N-terminal region
Product Gene Name	CTSW blocking peptide
Product Synonym Gene Name	LYPN
Sequence	TEEEFGQLYG YRRAAGGVPS MGREIRSEEP EESVPFSCDW RKVAGAISPI
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	CTSW peptide (MBS3241493) is used for blocking the activity of CTSW antibody (MBS3216593)
Molecular Weight	28kDa
OMIM	AF013611 mRNA
Product Categories/Family for CTSW blocking peptide	Peptide
Applications Tested/Suitable for CTSW blocking peptide	Western Blot (WB)
Related Product Information for CTSW blocking peptide	This is a synthetic peptide designed for use in combination with anti-CTSW Antibody, made Target Description: The protein encoded by this gene, a member of the peptidase C1 family, is a cysteine proteinase that may have a specific function in the mechanism or regulation of T-cell cytolytic activity. The encoded protein is found associated with the membrane inside the endoplasmic reticulum of natural killer and cytotoxic T-cells. Expression of this gene is up-regulated by interleukin-2.
Other Notes	Small volumes of CTSW 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 CTSW purchase	MBS3241493 is a blocking peptide targeting CTSW. Also known as CTSW Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

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

NCBI GI #	1519242292
NCBI GeneID	1521
NCBI Accession #	NP_001326
UniProt Primary Accession #	P56202
UniProt Related Accession #	P56202
GenBank Nucleotide #	NM_001335
NCBI Official Full Name	cathepsin W preproprotein

NCBI Official Synonym Full Names	cathepsin W
NCBI Official Symbol	CTSW
NCBI Official Synonym Symbols	LYPN
UniProt Protein Name	Cathepsin W
UniProt Synonym Protein Names	Lymphopain
Protein Family	Cathepsin
UniProt Gene Name	CTSW
NCBI Protein Information	cathepsin W
NCBI Summary for CTSW	The protein encoded by this gene, a member of the peptidase C1 family, is a cysteine proteinase that may have a specific function in the mechanism or regulation of T-cell cytolytic activity. The encoded protein is found associated with the membrane inside the endoplasmic reticulum of natural killer and cytotoxic T-cells. Expression of this gene is up-regulated by interleukin-2. [provided by RefSeq, Jul 2008]
UniProt Comments for CTSW	May have a specific function in the mechanism or regulation of T-cell cytolytic activity.
Research Articles on CTSW	**1.** These results establish CtsW as an important host factor for entry of influenza A virus into target cells and suggest that CtsW could be a promising target for the development of future antiviral drugs.
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