MARCH8 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	MARCH8, Blocking Peptide
Full Product Name	MARCH8 Blocking Peptide
Product Gene Name	MARCH8 blocking peptide
Product Synonym Names	c MIR; c-MIR; Cellular modulator of immune recognition; E3 ubiquitin protein ligase MARCH8; E3 ubiquitin-protein ligase MARCH8; MARCH 8; MARCH VIII; MARCH-VIII; MARCH8; MARH8_HUMAN; Membrane associated RING CH protein VIII; Membrane associated ring finger (C3HC4) 8; Membrane associated RING finger protein 8; Membrane-associated RING finger protein 8; Membrane-associated RING-CH protein VIII; MIR; OTTHUMP00000058921; RING finger protein 178; RNF178
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	MARCH8 peptide (MBS9628505) is used for blocking the activity of MARCH8 antibody (MBS9609801)
Molecular Weight	32,965 Da
OMIM	613335
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for MARCH8 blocking peptide	Blocking/Control
Related Product Information for MARCH8 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of MARCH8 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 MARCH8 purchase	MBS9628505 is a blocking peptide targeting MARCH8.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MARCH8. It may not necessarily be applicable to this product.

NCBI GI #	50539414
NCBI GeneID	220972
NCBI Accession #	NP_001002266.1

UniProt Primary Accession #	Q5T0T0
UniProt Secondary Accession #	Q5T0S8; Q8TC72; B2R8E7; H0Y7C6
UniProt Related Accession #	Q5T0T0
GenBank Nucleotide #	NM_001002266.2
NCBI Official Full Name	E3 ubiquitin-protein ligase MARCH8 isoform a
NCBI Official Synonym Full Names	membrane-associated ring finger (C3HC4) 8, E3 ubiquitin protein ligase
NCBI Official Symbol	MARCH8
NCBI Official Synonym Symbols	MIR; c-MIR; RNF178; MARCH-VIII
UniProt Protein Name	E3 ubiquitin-protein ligase MARCH8
UniProt Synonym Protein Names	Cellular modulator of immune recognition; c-MIR; Membrane-associated RING finger protein 8; Membrane-associated RING-CH protein VIII; MARCH-VIII; RING finger protein 178
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	MARCH8
UniProt Synonym Gene Names	MIR; RNF178; c-MIR; MARCH-VIII
UniProt Entry Name	MARH8_HUMAN
NCBI Protein Information	E3 ubiquitin-protein ligase MARCH8; RING finger protein 178; membrane-associated RING-CH protein VIII; membrane-associated RING finger protein 8; c-mir, cellular modulator of immune recognition; cellular modulator of immune recognition (c-MIR)
UniProt Comments for MARCH8	MARCH8: E3 ubiquitin-protein ligase that mediates ubiquitination of CD86 and MHC class II proteins, such as HLA-DR alpha and beta, and promotes their subsequent endocytosis and sorting to lysosomes via multivesicular bodies. May also promote ubiquitination and endocytosis of TFRC and FAS. Protein type: Membrane protein, multi-pass; Ligase; Ubiquitin ligase; Ubiquitin conjugating system; EC 6.3.2.-; EC 6.3.2.19; Membrane protein, integral Chromosomal Location of Human Ortholog: 10q11.21 Cellular Component: cytoplasmic vesicle membrane; lysosomal membrane; early endosome membrane; lysosome; integral to membrane; endosome Molecular Function: zinc ion binding; ubiquitin-protein ligase activity; MHC class II protein binding; ligase activity Biological Process: protein polyubiquitination; antigen processing and presentation of peptide antigen via MHC class II; negative regulation of MHC class II biosynthetic process
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