TLR1 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	TLR1, Blocking Peptide
Full Product Name	TLR1 Blocking Peptide
Product Gene Name	TLR1 blocking peptide
Product Synonym Names	CD281; CD281 antigen; KIAA0012; LPRS5; rsc786; TIL; TIL. LPRS5; Tlr1; TLR1_HUMAN; Toll (Drosophila) homolog; Toll like receptor 1; Toll-like receptor 1; Toll/interleukin-1 receptor-like protein
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	TLR1 peptide (MBS9625555) is used for blocking the activity of TLR1 antibody (MBS9606838)
Molecular Weight	786
Chromosome Location	Chromosome: 4; NC_000004.11 (38797876..38806814, complement). Location: 4p14
OMIM	601194
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 TLR1 blocking peptide	Blocking/Control
Related Product Information for TLR1 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 TLR1 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 TLR1 purchase	MBS9625555 is a blocking peptide targeting TLR1.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TLR1. It may not necessarily be applicable to this product.

NCBI GI #	41350337
NCBI GeneID	7096
NCBI Accession #	NP_003254.2
UniProt Primary Accession #	Q15399
UniProt Secondary Accession #	O15452; Q32MK3; Q32MK4; Q9UG90; D1CS39; D1CS41

UniProt Related Accession #	Q15399
GenBank Nucleotide #	NM_003263.3
NCBI Official Full Name	toll-like receptor 1
NCBI Official Synonym Full Names	toll-like receptor 1
NCBI Official Symbol	TLR1
NCBI Official Synonym Symbols	TIL; CD281; rsc786; TIL. LPRS5
UniProt Protein Name	Toll-like receptor 1
UniProt Synonym Protein Names	Toll/interleukin-1 receptor-like protein
Protein Family	Toll-like receptor
UniProt Gene Name	TLR1
UniProt Synonym Gene Names	KIAA0012; TIL
UniProt Entry Name	TLR1_HUMAN
NCBI Protein Information	toll-like receptor 1; toll/interleukin-1 receptor-like protein
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Online datasheet: https://www.mybiosource.com/blocking-peptide/tlr1/9625555