



TLR6 blocking peptide (CDBP6298)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor functionally interacts with toll-like receptor 2 to mediate cellular response to bacterial lipoproteins. A Ser249Pro polymorphism in the extracellular domain of the encoded protein may be associated with an increased of asthma in some populations.[provided by RefSeq, Jan 2011]

Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	TLR6 toll-like receptor 6 [Homo sapiens (human)]
Official Symbol	TLR6
Synonyms	TLR6; toll-like receptor 6; CD286

Entrez Gene ID	10333
mRNA Refseq	NM_006068
Protein Refseq	NP_006059
UniProt ID	Q9Y2C9
Pathway	Activated TLR4 signalling; Chagas disease (American trypanosomiasis); Immune System; Innate Immune System; MyD88:Mal cascade initiated on plasma membrane; Phagosome; Regulation of toll-like receptor signaling pathway; Toll Like Receptor 2 (TLR2) Cascade
Function	diacyl lipopeptide binding; lipopeptide binding; protein heterodimerization activity; receptor activity; transmembrane signaling receptor activity