



# TLR1 blocking peptide (CDBP6290)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 gene is ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene. [provided by RefSeq, Jul 2008]
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<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TLR1 toll-like receptor 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	TLR1
<b>Synonyms</b>	TLR1; toll-like receptor 1; TIL; CD281; rsc786; TIL. LPRS5; toll/interleukin-1 receptor-like

protein

<b>Entrez Gene ID</b>	<a href="#">7096</a>
<b>mRNA Refseq</b>	<a href="#">NM_003263</a>
<b>Protein Refseq</b>	<a href="#">NP_003254</a>
<b>UniProt ID</b>	Q15399
<b>Pathway</b>	Activated TLR4 signalling; Beta defensins; Defensins; Immune System; Innate Immune System; MyD88:Mal cascade initiated on plasma membrane; Regulation of toll-like receptor signaling pathway; Toll Like Receptor 2 (TLR2) Cascade
<b>Function</b>	protein heterodimerization activity; receptor activity; transmembrane signaling receptor activity