



# TLR8 blocking peptide (CDBP6301)

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 predominantly expressed in lung and peripheral blood leukocytes, and lies in close proximity to another family member, TLR7, on chromosome X. [provided by RefSeq, Jul 2008]
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<b>Conjugate</b>	Unconjugated
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<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
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<b>Format</b>	Liquid
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<b>Concentration</b>	200 µg/mL
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<b>Size</b>	0.05 mg
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<b>Preservative</b>	None
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<b>Storage</b>	-20°C
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TLR8 toll-like receptor 8 [ Homo sapiens (human) ]</a>
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<b>Official Symbol</b>	TLR8
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<b>Synonyms</b>	TLR8; toll-like receptor 8; CD288
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<b>Entrez Gene ID</b>	<a href="#">51311</a>
<b>mRNA Refseq</b>	<a href="#">NM_016610</a>
<b>Protein Refseq</b>	<a href="#">NP_057694</a>
<b>UniProt ID</b>	Q9NR97
<b>Pathway</b>	Immune System; Innate Immune System; MyD88 dependent cascade initiated on endosome; Regulation of toll-like receptor signaling pathway; TRAF6 mediated IRF7 activation in TLR7/8 or 9 signaling; TRAF6 mediated induction of NFkB and MAP kinases upon TLR7/8 or 9 activation; Toll Like Receptor 7/8 (TLR7/8) Cascade; Toll Like Receptor 9 (TLR9) Cascade
<b>Function</b>	DNA binding; RNA binding; double-stranded RNA binding; drug binding; receptor activity; single-stranded RNA binding