



TLR8 blocking peptide (CDBP6303)

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

Gene Name	TLR8 toll-like receptor 8 [Homo sapiens (human)]
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Official Symbol	TLR8
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Synonyms	TLR8; toll-like receptor 8; CD288
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Entrez Gene ID	51311
mRNA Refseq	NM_016610
Protein Refseq	NP_057694
UniProt ID	Q9NR97
Pathway	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
Function	DNA binding; RNA binding; double-stranded RNA binding; drug binding; receptor activity; single-stranded RNA binding