



TLR2 blocking peptide (CDBP6292)

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 gene is expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF-kappaB. [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	TLR2 toll-like receptor 2 [Homo sapiens (human)]
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Official Symbol	TLR2
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Synonyms	TLR2; toll-like receptor 2; TIL4; CD282; toll/interleukin 1 receptor-like 4; toll/interleukin-1 receptor-like protein 4
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Entrez Gene ID	7097
mRNA Refseq	NM_003264
Protein Refseq	NP_003255
UniProt ID	O60603
Pathway	Activated TLR4 signalling; Amoebiasis; Beta defensins; Chagas disease (American trypanosomiasis); Defensins; Hepatitis B; Herpes simplex infection; Immune System
Function	diacyl lipopeptide binding; lipopolysaccharide receptor activity; lipoteichoic acid binding; peptidoglycan binding; protein binding; protein heterodimerization activity; receptor activity; signaling pattern recognition receptor activity; transmembrane signaling receptor activity; triacyl lipopeptide binding