



# TLR9 blocking peptide (CDBP6304)

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 preferentially expressed in immune cell rich tissues, such as spleen, lymph node, bone marrow and peripheral blood leukocytes. Studies in mice and human indicate that this receptor mediates cellular response to unmethylated CpG dinucleotides in bacterial DNA to mount an innate immune response. [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="#">TLR9 toll-like receptor 9 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	TLR9

<b>Synonyms</b>	TLR9; toll-like receptor 9; CD289
<b>Entrez Gene ID</b>	<a href="#">54106</a>
<b>mRNA Refseq</b>	<a href="#">NM_017442</a>
<b>Protein Refseq</b>	<a href="#">NP_059138</a>
<b>UniProt ID</b>	Q9NR96
<b>Pathway</b>	African trypanosomiasis; Chagas disease (American trypanosomiasis); Herpes simplex infection; IGF1R signaling cascade; IRS-mediated signalling; IRS-related events; IRS-related events triggered by IGF1R; Immune System
<b>Function</b>	interleukin-1 receptor binding; siRNA binding; transmembrane signaling receptor activity