



TLR5 blocking peptide (CDBP6297)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the toll-like receptor (TLR) family, which plays a fundamental role in pathogen recognition and activation of innate immune responses. These receptors recognize distinct pathogen-associated molecular patterns that are expressed on infectious agents. The protein encoded by this gene recognizes bacterial flagellin, the principal component of bacterial flagella and a virulence factor. The activation of this receptor mobilizes the nuclear factor NF-kappaB, which in turn activates a host of inflammatory-related target genes. Mutations in this gene have been associated with both resistance and susceptibility to systemic lupus erythematosus, and susceptibility to Legionnaire disease.[provided by RefSeq, Dec 2009]
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Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	TLR5 toll-like receptor 5 [Homo sapiens (human)]
Official Symbol	TLR5
Synonyms	TLR5; toll-like receptor 5; TIL3; SLEB1; MELIOS; toll/interleukin-1 receptor-like protein 3;

systemic lupus erythematosus susceptibility 1

Entrez Gene ID	7100
mRNA Refseq	NM_003268
Protein Refseq	NP_003259
UniProt ID	O60602
Pathway	Immune System; Inflammatory bowel disease (IBD); Innate Immune System; Legionellosis; MyD88 cascade initiated on plasma membrane; Pathogenic Escherichia coli infection; Regulation of toll-like receptor signaling pathway; Salmonella infection
Function	interleukin-1 receptor binding; transmembrane signaling receptor activity