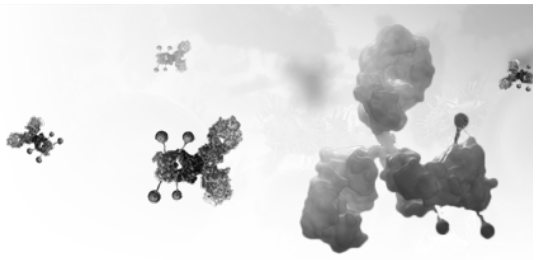

TLR3 blocking peptide (CDBP6294)

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 receptor is most abundantly expressed in placenta and pancreas, and is restricted to the dendritic subpopulation of the leukocytes. It recognizes dsRNA associated with viral infection, and induces the activation of NF-kappaB and the production of type I interferons. It may thus play a role in host defense against viruses. Use of alternative polyadenylation sites to generate different length transcripts has been noted for this gene. [provided by RefSeq, Jul 2008]
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	TLR3 toll-like receptor 3 [Homo sapiens (human)]
Official Symbol	TLR3

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Synonyms	TLR3; toll-like receptor 3; CD283; IIAE2
Entrez Gene ID	7098
mRNA Refseq	NM_003265
Protein Refseq	NP_003256
UniProt ID	O15455
Pathway	Activated TLR4 signalling; Activation of IRF3/IRF7 mediated by TBK1/IKK epsilon; Cytosolic sensors of pathogen-associated DNA; Hepatitis B; Hepatitis C; Herpes simplex infection; IKK complex recruitment mediated by RIP1; Immune System
Function	double-stranded RNA binding; double-stranded RNA binding; protein binding; receptor activity; transmembrane signaling receptor activity

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