



Anti-TLR4 (aa 214-291) polyclonal antibody (DPAB-DC3074)

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 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 has been implicated in signal transduction events induced by lipopolysaccharide (LPS) found in most gram-negative bacteria. Mutations in this gene have been associated with differences in LPS responsiveness. Multiple transcript variants encoding different isoforms have been found for this gene.
Immunogen	TLR4 (NP_612564, 214 a.a. ~ 291 a.a) partial recombinant protein with GST tag. The sequence is PMNFIQPGAFKEIRLHKLTLRNNFDSLNVMKTCIQGLAGLEVHRLVLGEFRNEGNLEKFD KSALEGLCNLTIEEFRLA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TLR4 toll-like receptor 4 [Homo sapiens (human)]
Official Symbol	TLR4
Synonyms	TLR4; toll-like receptor 4; TOLL; CD284; TLR-4; ARMD10; hToll; homolog of Drosophila toll;
Entrez Gene ID	7099
Protein Refseq	NP_003257
UniProt ID	Q00206
Chromosome Location	9q33.1
Pathway	Activated TLR4 signalling; Amoebiasis; Corticotropin-releasing hormone; Hepatitis B
Function	lipopolysaccharide binding; lipopolysaccharide receptor activity; protein binding; receptor activity