



# 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

<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 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.
<b>Immunogen</b>	TLR4 (NP_612564, 214 a.a. ~ 291 a.a) partial recombinant protein with GST tag. The sequence is PMNFIQPGAFKEIRLHKLTLRNNFDSLNVMTKCIQGLAGLEVHRLVLGEFRNEGNLEKFD KSALEGLCNLTIEEFRLA
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">TLR4 toll-like receptor 4 [ Homo sapiens (human) ]</a>
Official Symbol	TLR4
Synonyms	TLR4; toll-like receptor 4; TOLL; CD284; TLR-4; ARMD10; hToll; homolog of Drosophila toll;
Entrez Gene ID	<a href="#">7099</a>
Protein Refseq	<a href="#">NP_003257</a>
UniProt ID	<a href="#">O00206</a>
Chromosome Location	9q33.1
Pathway	Activated TLR4 signalling; Amoebiasis; Corticotropin-releasing hormone; Hepatitis B
Function	lipopolysaccharide binding; lipopolysaccharide receptor activity; protein binding; receptor activity