



Anti-TLR9 (aa 99-215) polyclonal antibody (DPAB-DC2299)

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 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.
Immunogen	TLR9 (AAH32713, 99 a.a. ~ 215 a.a) partial recombinant protein with GST tag. The sequence is PPVGLSPMHFPCHMTIEPSTFLAVPTLEELNLSYNNIMTVPALPKSLISLSHTNILML DSASLAGLHALRFLFMDGNCYYKNPCRQALEVAPGALLGLGNLTHLSLKYNNTLVVP
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	TLR9 toll-like receptor 9 [Homo sapiens (human)]
Official Symbol	TLR9
Synonyms	TLR9; toll-like receptor 9; CD289;
Entrez Gene ID	54106
Protein Refseq	NP_059138
UniProt ID	Q9NR96
Chromosome Location	3p21.3
Pathway	African trypanosomiasis; Chagas disease (American trypanosomiasis); Herpes simplex infection; IGF1R signaling cascade
Function	interleukin-1 receptor binding; siRNA binding; transmembrane signaling receptor activity;