



Anti-TLR5 (aa 517-634) polyclonal antibody (DPAB-DC3077)

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]
Immunogen	TLR5 (NP_003259, 517 a.a. ~ 634 a.a) partial recombinant protein with GST tag. The sequence is LPPGVFSHLTALRGLSLNSNRLTVLSHNDLPANLEILDISRNQLLAPNPDV FVSLSVLDI THNKFICECELSTFINWLNHTNVTIAGPPADIYCVYPDSFSGVSLFSLSTEGCDEEEV
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	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
Protein Refseq	NP_003259
UniProt ID	O60602
Chromosome Location	1q41-q42
Pathway	Immune System; Innate Immune System; MyD88 cascade initiated on plasma membrane; Regulation of toll-like receptor signaling pathway
Function	interleukin-1 receptor binding; transmembrane signaling receptor activity;