



Human TIRAP blocking peptide (CDBP2991)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-TIRAP/Mal (Isoform b) antibody
Antigen Description	The innate immune system recognizes microbial pathogens through Toll-like receptors (TLRs), which identify pathogen-associated molecular patterns. Different TLRs recognize different pathogen-associated molecular patterns and all TLRs have a Toll-interleukin 1 receptor (TIR) domain, which is responsible for signal transduction. The protein encoded by this gene is a TIR adaptor protein involved in the TLR4 signaling pathway of the immune system. It activates NF-kappa-B, MAPK1, MAPK3 and JNK, which then results in cytokine secretion and the inflammatory response. Alternative splicing of this gene results in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	TIRAP toll-interleukin 1 receptor (TIR) domain containing adaptor protein [Homo sapiens]
Official Symbol	TIRAP

Synonyms	TIRAP; toll-interleukin 1 receptor (TIR) domain containing adaptor protein; Toll interleukin 1 receptor (TIR) domain containing adaptor protein; toll/interleukin-1 receptor domain-containing adapter protein; Mal; MyD88 adapter like; wyatt; adapter protein wyatt; adaptor protein Wyatt; MyD88 adapter-like protein; Toll-like receptor adaptor protein; BACTS1; FLJ42305;
Entrez Gene ID	114609
mRNA Refseq	NM_001039661
Protein Refseq	NP_001034750
UniProt ID	P58753
Chromosome Location	11q24.2
Pathway	Activated TLR4 signalling, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; MyD88:Mal cascade initiated on plasma membrane, organism-specific biosystem; Pertussis, organism-specific biosystem; Pertussis, conserved biosystem; Toll Like Receptor 2 (TLR2) Cascade, organism-specific biosystem;
Function	Toll-like receptor 2 binding; Toll-like receptor 4 binding; phosphatidylinositol-4,5-bisphosphate binding; protein binding; protein binding, bridging; protein heterodimerization activity; protein homodimerization activity; protein kinase C binding;