



TIRAP blocking peptide (CDBP6282)

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

PRODUCT INFORMATION

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]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	TIRAP toll-interleukin 1 receptor (TIR) domain containing adaptor protein [Homo sapiens (human)]
Official Symbol	TIRAP
Synonyms	TIRAP; toll-interleukin 1 receptor (TIR) domain containing adaptor protein; Mal; wyatt; BACTS1;

MyD88-2; toll/interleukin-1 receptor domain-containing adapter protein; adapter protein wyatt; adaptor protein Wyatt; MyD88 adapter-like protein; Toll-like receptor adaptor protein

Entrez Gene ID	114609
mRNA Refseq	NM_001039661
Protein Refseq	NP_001034750
UniProt ID	P58753
Pathway	AGE/RAGE pathway; Activated TLR4 signalling; Hepatitis B; Immune System; Innate Immune System; MyD88:Mal cascade initiated on plasma membrane; NF-kappa B signaling pathway; Pertussis
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