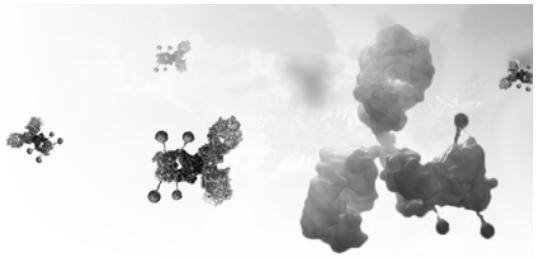

# Human TIRAP blocking peptide (CDBP2990)

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

## PRODUCT INFORMATION

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| **Product Overview** | Blocking/Immunizing peptide for anti-TIRAP 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

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

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|---|---|
| **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; |

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