



PRODUCT DATA SHEET

Product: Toll Interleukin 1 Receptor Adaptor Protein (TIRAP) (IN) polyclonal

Cat. No.: PC-601 (100 µg)

Background:

Toll-like receptors (TRLs) are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. The TLRs act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors. In TIRAP deficient mice, TLR signaling in response to TLR2 ligands (using either TLR1 and TLR6 as co-receptors) is totally abolished, suggesting that MyD88 and TIRAP work together and are both required for TLR2 signaling. Furthermore, these mice are also resistant to the toxic effects of LPS and show defects in NF- κ B and MAP kinase activation, suggesting that TIRAP is also involved in TLR4 signaling.

Molecular Weight:

26 kD kDa

Species Reactivity:

Human

Host:

Rabbit

Isotype:

IgG

Positive Control:

Found in the cytoplasm and highly expressed in the liver, kidney, spleen, skeletal muscle and heart. Also detected in peripheral blood leukocytes, lung, placenta, small intestine, thymus, colon, and brain.

Immunogen:

Rabbit polyclonal TIRAP antibody was raised against a peptide corresponding to amino acids near the middle of human TIRAP.

Format:

Antigen Immunoaffinity purified. Provided as solution in a phosphate buffered saline with 0.02% sodium azide.

Storage and Stability:

Store at -20°C. Aliquot to avoid repeat freeze/thaw cycles.

Applications and Suggested Dilutions:

- Western blot: use at 4 µg/mL

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.