PRODUCT DATA SHEET

Product: Toll-Like Receptor 6 (TLR6) (NT) polyclonal

Cat. No.: **PC-587 (100 µg)**

Background:
Toll-like receptors (TRLs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in Drosophila. These proteins 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 so the organism can respond to potential infection. TLR6 was first identified as a close homolog of TLR1, sharing 69% sequence identity. Like TLR1, TLR6 can form heterodimers with TLR2, and these TLR6:TLR2 heterodimers coordinate macrophage activation by Gram-positive bacteria and the yeast cell wall particle zymosan. Activation of these complexes not only initiates pro-inflammatory cascades, but can also lead to apoptotic responses.

Molecular Weight:
96 kD kDa

Species Reactivity:
Human and Mouse

Host:
Rabbit

Isotype:
IgG

Positive Control:
Jurkat cell lysate. Located in the membrane TLR6 is detected in monocytes, CD11c+ immature dendritic cells, plasmacytoid pre-dendritic cells and dermal microvessel endothelial cells.

Immunogen:
Rabbit polyclonal TLR6 antibody was raised against a peptide corresponding to 15 amino acids near the amino terminus of TLR6.

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 1-2 µg/mL
- Immunocytochemistry: use at 10 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.