Datasheet

TLR4 monoclonal antibody (M02), clone 3B6

Catalog Number: H00007099-M02

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant TLR4.

Clone Name: 3B6

Immunogen: TLR4 (NP_612564, 214 a.a. ~ 291 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence: PMNFIQPGAFKEIRLHKTLRNNFDLSLNVMKCIQGLA GLEVHRLVLGEFRNEGNIKLKFDFKSALGCLNLTIEEFR

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 7099

Gene Symbol: TLR4

Gene Alias: ARMD10, CD284, TOLL, hToll

Gene Summary: The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor is most abundantly expressed in placenta, and in myelomonocytic subpopulation of the leukocytes. It has been implicated in signal transduction events induced by lipopolysaccharide (LPS) found in most gram-negative bacteria. Mutations in this gene have been associated with differences in LPS responsiveness. Also, several transcript variants of this gene have been found, but the protein coding potential of most of them is uncertain.

[provided by RefSeq]

References: