

TLR4 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251111

Unit: 0.1 mg

Description:

Toll-like receptor family (TLR) has 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. TLRs recognize pathogen-associated molecular patterns (PAMP) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. Toll-like receptor 4 (TLR4) cooperates with LY96 and CD14 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). TLR4 acts via MYD88, TIRAP and TRAF6 to lead to NFκB activation, cytokine secretion and inflammatory response. TLR4 is highly expressed in placenta, spleen and peripheral blood leukocytes. Genetic variation in TLR4 is associated with age-related macular degeneration 10 (ARMD10), an irreversible vision loss.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: B, H, M, R, Sh

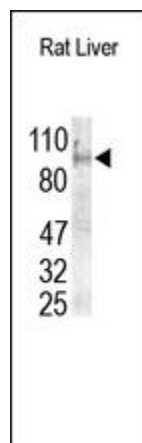
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol, 5 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A affinity chromatography.

Alternate Names: Toll-like receptor 4; hToll; CD284; TLR4

Accession No.: O00206

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human TLR4.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:100-1:500



The TLR4 Antibody (Cat. No. 251111) is used in Western blot to detect TLR4 in rat liver lysates.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: Kusumawardani B et al. 2013. Dental Journal, Majalah Kedokteran Gigi. 45(3).

For research use only, not for diagnostic or therapeutic procedures.