

Product datasheet for **TA306126**

TLR4 Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | ELISA, ICC, IF, IHC, WB |
| Recommended Dilution: | TLR4 antibody can be used for detection of TLR4 by Western blot at 2 to 4 µg/mL. Antibody can also be used for immunocytochemistry starting at 2 µg/mL and Immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | TLR4 antibody was raised against a peptide corresponding to 15 amino acids near the amino-terminus of human TLR4. |
| Formulation: | PBS containing 0.02% sodium azide. |
| Concentration: | 1ug/ul |
| Purification: | TLR4 Antibody is affinity chromatography purified via peptide column. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | toll like receptor 4 |
| Database Link: | NP_612564 Entrez Gene 7099 Human O00206 |



[View online »](#)

Background:

Toll-like receptors (TLRs) are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses (1-3). These proteins act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors such as Protein Kinase C (PKC) alpha/beta and NF-kappaB (4-6). Studies with TLR4-deficient mice indicate that the main ligand for TLR is lipopolysaccharide. Consequently, these mice also showed increased susceptibility to Gram-negative sepsis (7).

Synonyms:

ARMD10; CD284; TLR-4; TOLL