Rabbit anti-Human, Mouse TLR4 Polyclonal Antibody | anti-TLR4 antibody

TLR4 Antibody: Biotin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103550	**Rabbit**	**Human, Mouse**	**Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

TLR4; Polyclonal Antibody; TLR4 Antibody: Biotin; ARMD10; CD284; TLR 4; TOLL; Toll like receptor 4; anti-TLR4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	1mg/mL (varies by lot)
Sequence Length	839
Applicable Applications for anti-TLR4 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Conjugate	Biotin
Storage Buffer	PBS, 0.05% BSA, 0.05% sodium azide
Preparation and Storage	-20 degree C

IMAGES

IHC (Immunohistochemistry)
Immunohistochemistry analysis using Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200). Tissue: spleen tissue. Species: Mouse. Primary Antibody: Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200) at 1:100.

IHC (Immunohistochemisry)
Immunohistochemistry analysis using Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200). Tissue: Spleen tissue. Species: Mouse. Primary Antibody: Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200) at 1:100.

WB (Western Blot)
Western blot analysis of Human, Mouse Cell line lysates showing detection of TLR4 protein using Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200). Primary Antibody: Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200) at 1:1000.

IHC (Immunohistochemistry)
Immunohistochemistry analysis using Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200). Tissue: colon colitis. Species: Mouse. Fixation: Formalin. Primary Antibody: Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200) at 1:100000 for 12 hours at 4 degree C. Secondary Antibody: Biotin Goat Anti-Rabbit at 1:2000 for 1 hour at RT. Counterstain: Methyl Green at 200uL for 2 min at RT. Localization: Inflammatory cells.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR4 antibody	**Background Info:** Detects ~75-80kDa when tested against partial recombinant mouse TLR4 (extra-cellular portion plus His-tag). **Scientific Background:** The Toll-like receptor (TLR) family in mammal comprises a family of trans-membrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and 1L-1 receptor motif in the cytoplasmic domain. Like its counterparts in Drosophila, TLRs signal through adaptor molecules (1). The TLR family is a phylo-genetically conserved mediator of innate immunity that is essential for microbial recognition (2). Ten human homologs of TLRs (TLR1-10) have been described (3). Amount this family of receptors, TLR2 and TLR4 have been most studied. These studies have suggested that TLR2 and TLR4 may serve as potential main mediators of LPS signaling (4,5). The mouse TLR4 cDNA codes for a protein consisting of 839 amino acids, with an approximate molecular weight of 90kDa (6).
Product Categories/Family for anti-TLR4 antibody	Cell Signaling; Organelle Markers
References	1.JMuzio M., Natoli G., Saccan S., Levrero M., and Mantovani A. (1998) J. Exp. Med. 187: 2097-2101. 2. Medzhitov R. and Janeway C.A (1997). Cell 91: 295-298. 3. Chuang T.H. and Ulevitch R.J. (2001) Biochim. Biophys. Acta 1518 (1-2): 157-161). 4. Takeuchi O., et al. (1999) Immunity 11: 443. 5. Poltorak A., Riccardi-Castagnoli P., Citterio S., and Butler B. (2000) Proc. Natl. Acad. Sci USA 97: 2163-2167. 6. Medzhitov R., Preston-Hurlburt P. and Janeway C.A. (1997) Jr. Nature 388 (6640): 394-397.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19924149
NCBI GeneID	7099
NCBI Accession #	NP_612564.1
NCBI GenBank Nucleotide #	NM_138554.4
UniProt Accession #	O00206; Q5VZI8; Q5VZI9; Q9UK78; Q9UM57; A8K1Y8; A9XLP9; A9XLQ0; A9XLQ1; B4E194; D1CS52; D1CS53
Molecular Weight	73,301 Da
NCBI Official Full Name	toll-like receptor 4 isoform A
NCBI Official Synonym Full Names	toll-like receptor 4
NCBI Official Symbol	TLR4
NCBI Official Synonym Symbols	TOLL; CD284; TLR-4; ARMD10
NCBI Protein Information	toll-like receptor 4; hToll; homolog of Drosophila toll
UniProt Protein Name	Toll-like receptor 4
UniProt Gene Name	**TLR4**
UniProt Entry Name	TLR4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/tlr4-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/103550