

Mouse TLR4 Monoclonal Antibody | anti-TLR4 antibody

Mouse Monoclonal [clone 76B357.1] (IgG2b,k) to Human TLR4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51800	Mouse	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

TLR4; Monoclonal Antibody; Mouse Monoclonal [clone 76B357.1] (IgG2b; k) to Human TLR4; Anti-TLR4 Antibody (aa100-200; clone 76B357.1) IHC-plus; CD284; CD284 antigen; Homolog of Drosophila toll; TLR-4; TOLL; ARMD10; Toll-like receptor 4; HToll; Human TLR4; anti-TLR4 antibody

PRODUCT SPECIFICATIONS

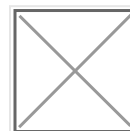
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	76B357.1
Specificity	A portion of amino acids 100-200 of human TLR4.
Purity/Purification	Protein G Purified
Form/Format	PBS, 0.05% BSA, 0.05% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	799
Applicable Applications for anti-TLR4 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide from human TLR4.
Immunogen Type	Synthetic peptide
Immunogen	TLR4 antibody was raised against synthetic peptide from human TLR4.
Antigen Modification	aa100-200
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES



WB (Western Blot)

Western blot of TLR4 using antibody at 2 ug/ml on (A) human intestine and 6 ug/ml on (B) mouse intestine and (C) rat intestine lysate.



FCM/FACS (Flow Cytometry)

Flow analysis of cell surface TLR4 in mouse splenocytes using 0.5 ug/10⁶ cells of antibody. Shaded histogram represents cells without anti-TLR4 antibody; green represents isotype control (BD Pharmingen); red represents anti-TLR4 antibody.



IHC (Immunohistochemistry)

Anti-TLR4 antibody IHC of human breast. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR4 antibody	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. 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-kB. Studies with TLR4-deficient mice indicate that the main ligand for TLR is lipopolysaccharide.
Product Categories/Family for anti-TLR4 antibody	Family: Toll-like Receptor

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507533
NCBI GeneID	7099
NCBI Accession #	NP_003257.1
NCBI GenBank Nucleotide #	NM_003266.3
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 C
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/monoclonal/tlr4-antibody-clone-76b357-1-flow-cytometry-western-blot-immunohistochemistry-elisa/51800>