

Mouse anti-Mouse, Human TLR2 Monoclonal Antibody | anti-TLR2 antibody

TLR2 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14864	Mouse	Mouse, Human	Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence

PRODUCT SYNONYMS

TLR2; Monoclonal Antibody; TLR2 Monoclonal Antibody; TIL4; anti-TLR2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse, Human
Clonality	Monoclonal
Isotype	Mouse IgG1, Kappa
Clone Number	ABM3A87
Purity/Purification	Protein G Chromatography
Form/Format	Purified 25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	784
Applicable Applications for anti-TLR2 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), IF (Immunofluorescence)
Application Notes	Western blot analysis: 2-4 ug/ml FC analysis: 0.5 ug/10 ⁶ cells Immunohistochemical analysis: 5 ug/ml
Immunogen	A partial length recombinant TLR2 protein (amino acid 180-420) was used as the immunogen for this antibody.
Preparation and Storage	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of TLR2 in normal human prostate tissue using TLR2 antibody (Clone: ABM3A87) at 5 ug/ml.



FCM (Flow Cytometry)

Fig-4: Intracellular flow analysis of TLR2 in THP-1 cells using 0.5 ug/10⁶ cells of TLR2 antibody (Clone: ABM3A87). Green represents isotype control; red represents anti- TLR2 antibody. Goat anti-Mouse PE conjugate was used as secondary antibody.



FCM (Flow Cytometry)

Fig-3: Intracellular flow analysis of TLR2 in PBMC (Monocytes) using 0.5 µg/10⁶ cells of TLR2 antibody (Clone: ABM3A87). Green represents isotype control; red represents anti-TLR2 antibody. Goat anti-Mouse PE conjugate was used as secondary.



WB (Western Blot)

Western blot analysis of TLR2. Anti-TLR2 antibody (Clone: ABM3A87) was used at 2 µg/ml on mouse embryonic liver lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR2 antibody	TLR2 (Toll-Like Receptors 2) is a member of the TLR (Toll-like receptor) family that plays a fundamental role in pathogen recognition and activation of innate immunity. TLR2 forms heterodimers with TLR1 and TLR6, which is the initial step in a cascade of events leading to significant innate immune responses, development of adaptive immunity to pathogens and protection from immune sequelae related to infection with these pathogens. TLR2 also interacts with a large number of non-TLR molecules, allowing for recognition of a great number and variety of PAMPs (pathogen-associated molecular patterns). TLR2 expression has been detected in immune cells, endothelial, and epithelial cells.
Product Categories/Family for anti-TLR2 antibody	TLR

NCBI AND UNIPROT INFORMATION

NCBI GI #	19718734
NCBI GeneID	7097
NCBI Accession #	NP_003255.2
NCBI GenBank Nucleotide #	NM_003264.3
UniProt Accession #	O60603; O15454; Q8NI00; B3Y612; D1CS45; D1CS48; D1CS49
NCBI Official Full Name	toll-like receptor 2
NCBI Official Synonym Full Names	toll-like receptor 2
NCBI Official Symbol	TLR2
NCBI Official Synonym Symbols	TIL4; CD282
NCBI Protein Information	toll-like receptor 2; toll/interleukin 1 receptor-like 4; toll/interleukin-1 receptor-like protein 4
UniProt Protein Name	Toll-like receptor 2
UniProt Gene Name	TLR2
UniProt Synonym Gene Names	TIL4
UniProt Entry Name	TLR2_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/tlr2-antibody-clone-abm3a87-immunohistochemistry-flow-cytometry-western-blot-immunofluorescence-elisa/14864>