

anti-Human TLR7 Monoclonal Antibody | anti-TLR7 antibody

TLR7 Monoclonal Antibody

CATALOG # AAA14863	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

TLR7; Monoclonal Antibody; TLR7 Monoclonal Antibody; anti-TLR7 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, Kappa
Clone Number	ABM2C27
Purity/Purification	Purified; Protein G Chromatography
Form/Format	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	1049
Applicable Applications for anti-TLR7 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	FC analysis: 0.5 ug/10 ⁶ cells, Immunohistochemical analysis: 5ug/ml
Immunogen	A partial length recombinant human TLR7 protein (amino acids 500-900) was used as the immunogen for this antibody
Preparation and Storage	Store antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

IMAGES

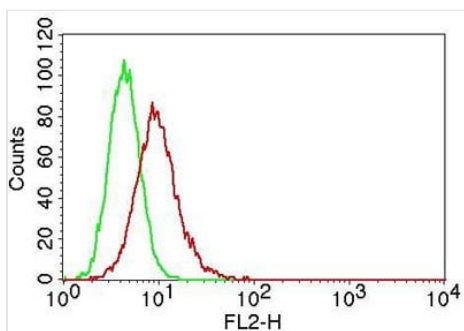

FCM (Flow Cytometry)

Fig-4: Intracellular flow analysis of TLR7 in Raji cells using 0.5 ug/10⁶ cells of TLR7 antibody (Clone: ABM2C27). Green represents isotype control; red represents anti-TLR7 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.

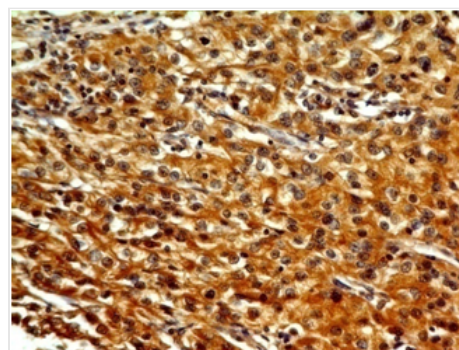
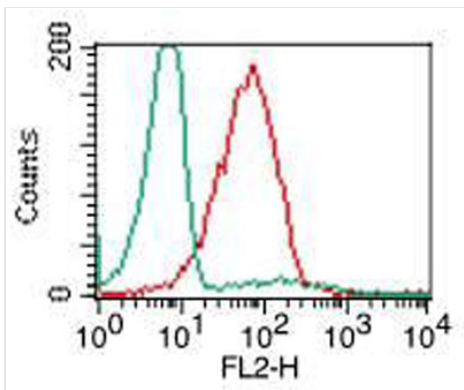
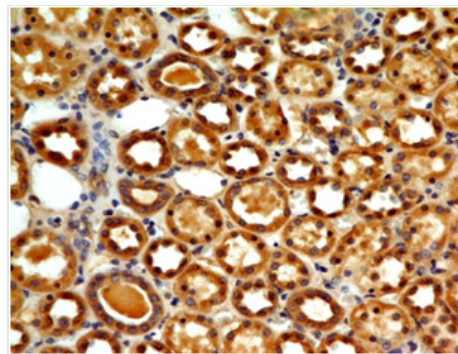

IHC (Immunohistochemistry)

Fig-3: Immunohistochemical analysis of TLR7 in Renal Cell Carcinoma using TLR7 antibody (Clone: ABM2C27) at 5 ug/ml.



FCM (Flow Cytometry)

Fig-2: Intracellular flow analysis of TLR7 in PBMC (Lymphocyte) using 0.5 ug/10⁶ cells of TLR7 antibody (Clone: ABM2C27). Green represents isotype control; red represents anti-TLR7 antibody. Goat anti-mouse PE conjugate was used as secondary.



IHC (Immunohistochemistry)

Fig-1 : Immunohistochemical analysis of TLR7 in human Kidney tissue using TLR7 antibody (Clone: ABM2C27) at 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR7 antibody	TLR7 (Toll-like receptor 7) is a member of the Toll-like receptor (TLR) family. TLR7 is a nucleotide-sensing TLR which is activated by single-stranded RNA; which plays a fundamental role in pathogen recognition and activation of innate immunity. TLR7 controls host immune response against pathogens through recognition of molecular patterns specific to microorganisms. TLR7 interacts with MYD88 via their respective TIR domains and also interacts with UNC93B1. Post-translational modifications and glycosylation occur in TLR7. TLR7 detected in brain, placenta, spleen, stomach, small intestine, lungs and plasmacytoid pre-dendritic cells.
Product Categories/Family for anti-TLR7 antibody	TLR

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706093
NCBI GeneID	51284
NCBI Accession #	NP_057646.1
NCBI GenBank Nucleotide #	NM_016562.3
UniProt Accession #	Q9NYK1; Q9NR98; D1CS69
NCBI Official Full Name	toll-like receptor 7
NCBI Official Synonym Full Names	toll-like receptor 7
NCBI Official Symbol	TLR7
NCBI Official Synonym Symbols	TLR7-like
NCBI Protein Information	toll-like receptor 7; toll-like receptor 7-like
UniProt Protein Name	Toll-like receptor 7
UniProt Gene Name	TLR7
UniProt Entry Name	TLR7_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/tlr7-antibody-clone-abm2c27-immunohistochemistry-flow-cytometry-elisa/14863>