

Mouse anti-Human TLR7 Monoclonal Antibody | anti-TLR7 antibody

TLR7

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48288	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot, ELISA

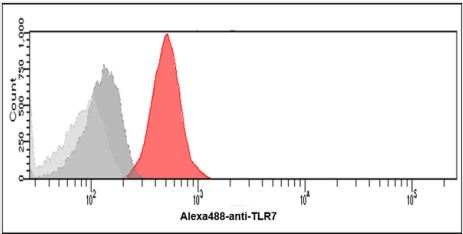
PRODUCT SYNONYMS

TLR7; Monoclonal Antibody; toll-like receptor 7; PRO285; UNQ248; tlr 7; anti-TLR7 antibody

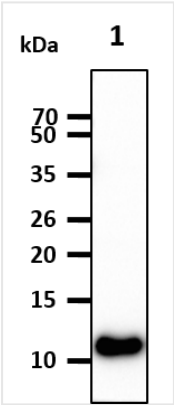
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	4F4
Purity/Purification	Protein-A Affinity Chromatography
Form/Format	Liquid; In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1049
Applicable Applications for anti-TLR7 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Immunogen	Recombinant human TLR7 (451-500aa) purified from E Coli.
Conjugation	Unconjugated
Preparation and Storage	Can be stored at 2 degree C to 8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometry analysis of TLR7 in THP-1 cells. The cell was stained at 2-5ug for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



WB (Western Blot)
The recombinant protein (50ng) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human TLR7 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.;Lane 1.: Recombinant human TLR7 protein;

ADDITIONAL INFORMATION

Related Product Information for anti-TLR7 antibody	TLR7 is one of toll-like receptors which are type I transmembrane proteins involved in innate immunity by recognizing microbial conserved structures. These proteins are characterized by multiple copies of leucine rich repeats in the extracellular domain and IL-1 receptor motif in the cytoplasmic domain, and act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors. Human TLR7 (hTLR7) is predominantly expressed in lung, placenta and spleen and hTLR7, 8 genes are located on the sex chromosome X. hTLR7 may play an important role in detecting and combating viral infections.
Product Categories/Family for anti-TLR7 antibody	Epigenetics and Nuclear Signaling; Immunology; Signal Transduction
References	Lee J., et al. (2003) Proc. Natl. Acad. Sci. USA. 100, 6646-6651. Crozat K., et al. (2004) Proc. Natl. Acad. Sci. USA. 101, 6835-6836. Muzio M., et al. (1998) J. Exp. Med. 187, 2097-2101. Horng T., et al. (2002) Nature 420, 329-333.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706093
NCBI GeneID	51284
NCBI Accession #	NP_057646.1
NCBI GenBank Nucleotide #	NP_057646.1
UniProt Accession #	Q9NYK1
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/tlr7-antibody-clone-4f4-flow-cytometry-western-blot-elisa/48288>