

Mouse anti-Human TLR6 Monoclonal Antibody | anti-TLR6 antibody

NALE Monoclonal Antibody to TLR6 (Clone: ABM1B50) (No Azide Low Endotoxin)

CATALOG # AAA78406	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

TLR6; Monoclonal Antibody; NALE Monoclonal Antibody to TLR6 (Clone: ABM1B50) (No Azide Low Endotoxin); anti-TLR6 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	ABM1B50
Purity/Purification	Azide Free, Purified Protein G Chromatography
Form/Format	100 ug in 200 ul PBS containing 0.05% BSA.
Sequence Length	796
Applicable Applications for anti-TLR6 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Antigen	TLR6
Immunogen Information	A partial length recombinant TLR6 protein (amino acids 280-512) was used as the immunogen for this antibody.
Conjugation	Unconjugated
Preparation and Storage	Store the antibody at 4 degree C; stable for 6 months. For long-term storage; store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Fig-2: Intracellular flow analysis of TLR6 in THP-1 cells using 0.5 ug/10⁶ cells of TLR6 antibody (Clone: ABM1B50). Green represents isotype control; red represents anti-TLR6 antibody. Goat anti-Mouse PE conjugate was used as secondary antibody.



WB (Western Blot)

Fig-1: Western blot analysis of TLR6. Anti- TLR6 antibody (Clone: ABM1B50) was used at 2 ug/ml on Jurkat lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR6 antibody	TLR6 (Toll-Like Receptors 6) is a member of the TLR (Toll-like receptor) family that plays a fundamental role in pathogen recognition and activation of innate immunity. TLR6 forms heterodimers with TLR1 and TLR2, 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 in co-operation with TLR6 trigger inflammatory responses via activation of NF-kappaB, which regulates the transcription of inflammatory molecules. TLR6 has emerged as the most potent activator for ZNPs (Zinc Oxide Nanoparticles)-induced inflammatory responses. Upon silencing, TLR6 significantly inhibited the pro-inflammatory cytokine levels, reactive nitrogen species generation and inducible nitric oxide synthase expression.
Product Categories/Family for anti-TLR6 antibody	TLR and Innate Immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	20143971
NCBI GeneID	10333
NCBI Accession #	NP_006059.2
NCBI GenBank Nucleotide #	NM_006068.4
UniProt Accession #	Q9Y2C9; Q2NKL3; B3Y640; B6CH35; B6RFS4; B6RFS5
Molecular Weight	55,828 Da
NCBI Official Full Name	toll-like receptor 6
NCBI Official Synonym Full Names	toll like receptor 6
NCBI Official Symbol	TLR6
NCBI Official Synonym Symbols	CD286
NCBI Protein Information	toll-like receptor 6
UniProt Protein Name	Toll-like receptor 6
UniProt Gene Name	TLR6

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.