Rat anti-Mouse mTLR9 Monoclonal Antibody | anti-mTLR9 antibody

Monoclonal Antibody to mTLR9 (Clone: ABM4D70)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78415	**Rat**	**Mouse**	**Flow Cytometry, Functional Assay, Western Blot**

PRODUCT SYNONYMS

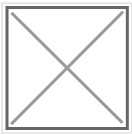
mTLR9; Monoclonal Antibody; Monoclonal Antibody to mTLR9 (Clone: ABM4D70); Tlr9; CD289; anti-mTLR9 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Clone Number	ABM4D70
Purity/Purification	Purified Protein G Chromatography
Form/Format	100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	1032
Applicable Applications for anti-mTLR9 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Antigen	mTLR9
Immunogen Information	A partial length recombinant mTLR9 protein (amino acids 602-860) 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 mTLR9 in mouse splenocytes using 0.5 ug/10^6 cells of mTLR9 antibody (Clone: ABM4D70). Green represents isotype control; red represents anti-mTLR9 antibody. Goat anti-Rat FITC conjugate was used as secondary.



WB (Western Blot)
Fig-1: Western blot analysis of mTLR9. Anti-mTLR9 antibody (Clone: ABM4D70) was tested at 2 ug/ml on mouse Small Intestine lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-mTLR9 antibody	Mouse Toll-like receptor 9 (mTLR9) is an innate immune sensor for microbial DNA that erroneously responds to self DNA in autoimmune disease. TLR9 is normally expressed in endosomes/lysosomes where it is activated by pathogen-derived DNA. It has modulatory effect on the mucosal immune system, influence susceptibility to allergic sensitization to foods (22718261). TLR9 recognizes unmethylated CpG-containing DNA commonly found in bacteria. TLR9 signaling plays an important role in the development of robust protective immunity, proper recruitment and function of effector cells (lymphocytes and macrophages), and, ultimately, effective cryptococcal clearance from the infected lungs (20581055). It is involved in the pathogenesis of cardiovascular diseases, such as hypertension and heart failure.
Product Categories/Family for anti-mTLR9 antibody	TLR and Innate Immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	157057166
NCBI GeneID	81897
NCBI Accession #	NP_112455.2
NCBI GenBank Nucleotide #	NM_031178.2
UniProt Accession #	Q9EQU3; Q4L0K3; Q4L0K4; Q99MF2; Q99MQ8; F8VPN5
Molecular Weight	116,412 Da
NCBI Official Full Name	toll-like receptor 9
NCBI Official Synonym Full Names	toll-like receptor 9
NCBI Official Symbol	Tlr9
NCBI Protein Information	toll-like receptor 9
UniProt Protein Name	Toll-like receptor 9
UniProt Gene Name	**Tlr9**

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/mtlr9-antibody-clone-abm4d70-flow-cytometry-western-blot-elisa/78415