

Mouse anti-Human, Mouse MD-2 Monoclonal Antibody | anti-LY96 antibody

MD-2 Antibody [9F1B1]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39196	Mouse	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

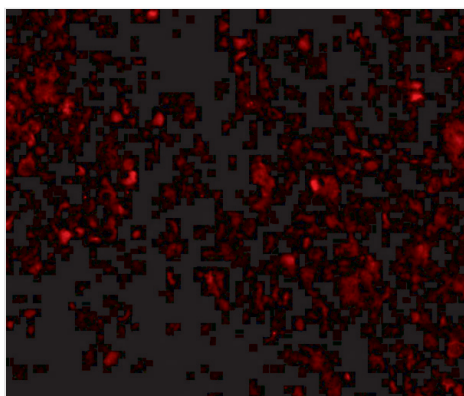
PRODUCT SYNONYMS

MD-2; Monoclonal Antibody; MD-2 Antibody [9F1B1]; MD-2 Antibody [9F1B1] : MD2; ly-96; ESOP-1; lymphocyte antigen 96; anti-LY96 antibody

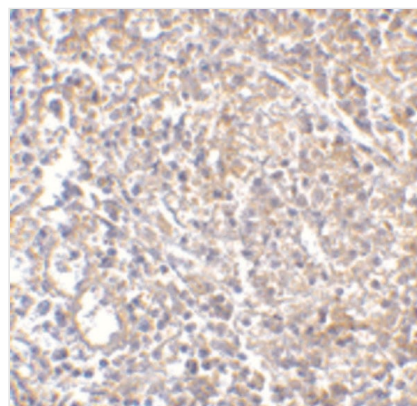
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	9F1B1
Purity/Purification	MD-2 Monoclonal Antibody is Protein A purified.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	160
Applicable Applications for anti-LY96 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Mouse monoclonal MD-2 antibody was raised against a recombinant protein corresponding to amino acids 2 to 160 of human MD-2
Buffer	MD-2 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MD-2 monoclonal antibody can be stored at -20 degree C, stable for one year.

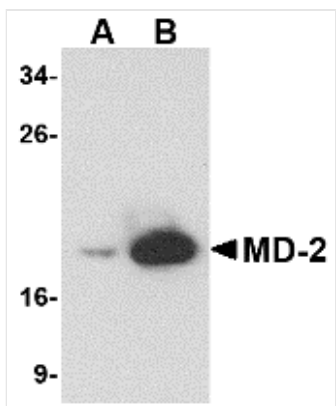
IMAGES


IF (Immunofluorescence)

Immunofluorescence of MD2 in human spleen tissue with MD2 antibody at 20 µg/mL.


IHC (Immunohistochemistry)

Immunohistochemistry of MD-2 in human spleen with MD-2 antibody at 2.5 µg/mL.



WB (Western Blot)

Western blot analysis of (A) 25 and (B) 125 ng of MD-2 recombinant protein with MD-2 antibody at 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-LY96 antibody

MD-2 Monoclonal Antibody: MD-2 is a member of the Toll/interleukin-1 receptor (TIR) family, a group of proteins that include the Toll-like receptors (TLRs). TLRs are signaling molecules that recognize different pathogen-associated molecular patterns (PAMPs) and serve as an important link between the innate and adaptive immune responses. TLR4, the major signaling receptor for lipopolysaccharide (LPS), requires the binding of MD-2 to its extracellular region for maximal response to LPS. The specificity of this response is determined by the species of MD-2; e.g., human MD-2 transfected into mouse cells can cause mouse TLR4 to react to LPS analogs that are normally antagonistic to human but not mouse TLR4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	223555998
NCBI GeneID	23643
NCBI Accession #	NP_056179
NCBI GenBank Nucleotide #	NM_015364.3
UniProt Accession #	Q9Y6Y9; B3Y6A5; E5RJJ7
Molecular Weight	14,933 Da
NCBI Official Full Name	lymphocyte antigen 96
NCBI Official Synonym Full Names	lymphocyte antigen 96
NCBI Official Symbol	LY96
NCBI Official Synonym Symbols	MD2; MD-2; ly-96; ESOP-1
NCBI Protein Information	lymphocyte antigen 96; protein MD-2; myeloid differentiation protein-2
UniProt Protein Name	Lymphocyte antigen 96
UniProt Gene Name	LY96
UniProt Synonym Gene Names	ESOP1; MD2; Ly-96
UniProt Entry Name	LY96_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/md-2-antibody-clone-9f1b1-immunofluorescence-immunohistochemistry-western-blot-elisa/39196>