

Mouse MD-2 Monoclonal Antibody | anti-MD-2 antibody

MD-2 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA300770	Mouse	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

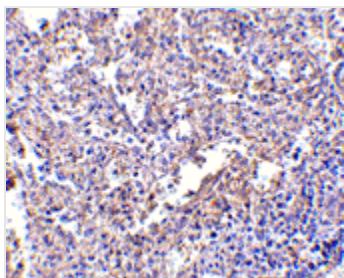
PRODUCT SYNONYMS

MD-2; Monoclonal Antibody; MD-2 Monoclonal Antibody; MD-2 (1A2E3): Lymphocyte antigen 96 precursor; ESOP-1; anti-MD-2 antibody

PRODUCT SPECIFICATIONS

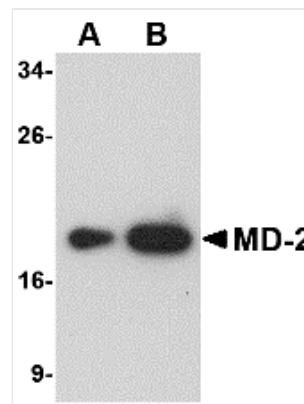
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	1A2E3
Purity/Purification	Immunoaffinity chromatography purified IgG
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	160
Applicable Applications for anti-MD-2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Recombinant protein
Immunogen Description	Raised against a recombinant protein corresponding to amino acids 2 to 160 of human MD-2
Target Name	MD-2
Preparation and Storage	Can be stored at -20 degree C, stable for one year.

IMAGES



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-MD-2 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.
Product Categories/Family for anti-MD-2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	307775407
NCBI GeneID	23643
NCBI Accession #	NP_056179
NCBI GenBank Nucleotide #	NM_015364.4
NCBI Official Full Name	lymphocyte antigen 96 isoform 1
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
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.