

Datasheet for ABIN6990190
anti-LY96 antibody (AA 2-160)



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Overview

Quantity:	0.1 mg
Target:	LY96
Binding Specificity:	AA 2-160
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LY96 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Mouse monoclonal MD-2 antibody was raised against a recombinant protein corresponding to amino acids 2 to 160 of human MD-2.
Clone:	1A2E3
Isotype:	IgG1
Purification:	MD-2 Monoclonal Antibody is Protein A purified.

Target Details

Target:	LY96
Alternative Name:	MD-2 (LY96 Products)

Target Details

Background:	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.
Gene ID:	23643
NCBI Accession:	NP_056179
UniProt:	Q9Y6Y9
Pathways:	TLR Signaling , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Toll-Like Receptors Cascades

Application Details

Application Notes:	MD-2 antibody can be used for detection of MD-2 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2 µg/mL.
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Antibody validated: Western Blot in recombinant protein, Immunohistochemistry in human samples, Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	MD-2 Monoclonal Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment: MD-2 monoclonal antibody can be stored at -20°C, stable for one year.