

Datasheet for ABIN6990125 **anti-LY96 antibody (C-Term)**



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Overview

Quantity:	0.1 mg
Target:	LY96
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LY96 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Anti-MD-2 antibody was raised against a peptide corresponding to 13 amino acids near the center of human MD-2. The immunogen is located within the last 50 amino acids of MD-2.
Isotype:	IgG
Purification:	MD-2 Antibody is affinity chromatography purified via peptide column.

Target Details

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

Target Details

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 can cause mouse TLR4 to react to LPS analogs that are normally antagonistic to human but not mouse TLR4.

Molecular Weight:	Predicted: 19kD
	Observed: 26 kD (Post-modification: 2 N-linked glycosylations) kDa
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:	WB: 0.5-1 µg/mL, IHC: 2-2.5 µg/mL, IF: 10-20 µg/mL.
	Antibody validated: Western Blot in human, mouse and rat samples, Immunohistochemistry in human and rat samples, Immunofluorescence in human and rat samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	MD-2 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, 4 °C

Handling

Storage Comment: MD-2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.