

## Product datasheet for TA319868

### MD2 (LY96) Mouse Monoclonal Antibody [Clone ID: 9F1B1]

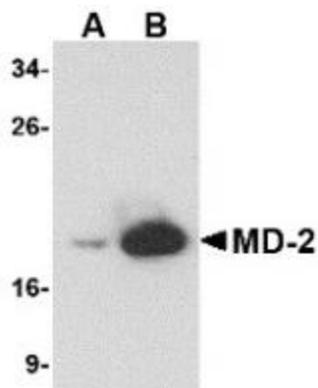
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	9F1B1
Applications:	IF, IHC, WB
Recommend Dilution:	WB: 1 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Mouse monoclonal MD-2 antibody was raised against a recombinant protein corresponding to amino acids 2 to 160 of human MD-2
Formulation:	MD-2 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	MD-2 Monoclonal Antibody is immunoaffinity chromatography purified IgG.
Gene Name:	lymphocyte antigen 96
Database Link:	<a href="#">NP_001182726</a> <a href="#">Entrez Gene 17087</a> <a href="#">Mouse</a> <a href="#">Entrez Gene 23643</a> <a href="#">Human</a>
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.
Synonyms:	ESOP-1; ly-96; MD-2; MD2
Protein Families:	Secreted Protein
Protein Pathways:	Pathogenic Escherichia coli infection, Toll-like receptor signaling pathway

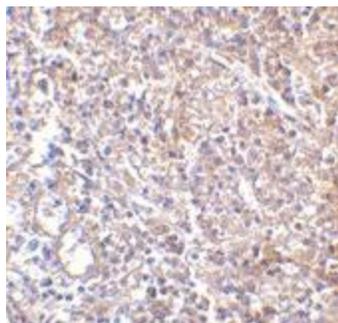


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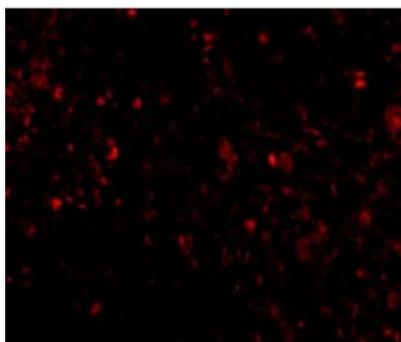
## Product images:



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



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



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