

Anti-MD-2 LY96 Monoclonal Antibody [9F1B1]

Catalog Number: M02107

About LY96

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.

Overview

Product Name	Anti-MD-2 LY96 Monoclonal Antibody [9F1B1]
Reactive Species	Human, Mouse
Description	Boster Bio Anti-MD-2 LY96 Monoclonal Antibody [9F1B1] (Catalog # M02107). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Monoclonal Clone: 9F1B1
Formulation	MD-2 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	MD-2 monoclonal antibody can be stored at -20°C, stable for one year.
Host	Mouse
Uniprot ID	Q9Y6Y9

Technical Details

Immunogen	Mouse monoclonal MD-2 antibody was raised against a recombinant protein corresponding to amino acids 2 to 160 of human MD-2.
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	beta-Actin antibody is human, mouse, rat, rabbit, chicken, zebrafish and drosophila reactive.
Isotype	IgG1
Form	Liquid
Concentration	1 mg/mL
Purification	MD-2 Monoclonal Antibody is Protein A purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

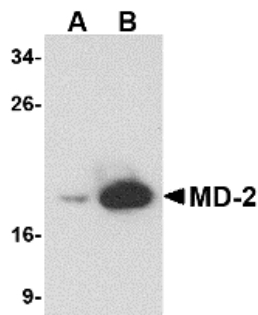
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

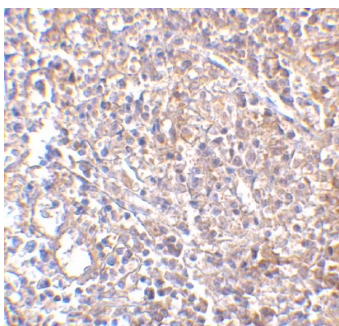
MD-2 antibody can be used for detection of MD-2 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

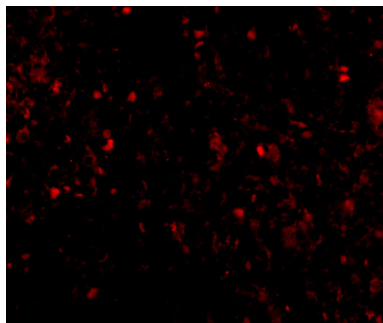
Anti-MD-2 LY96 Monoclonal Antibody [9F1B1] (M02107) Images



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.

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