

Anti-MyD88 Monoclonal Antibody [2E9C2]

Catalog Number: M00025-2

About MYD88

The pro-inflammatory cytokine IL-1 induced cellular response requires IL-1 receptor complex including IL-1RI and IL-1RAcP. MyD88 has been identified as an adapter molecule in the IL-1 signaling pathway. MyD88 associates with and recruits IRAK to the IL-1 receptor complex in response to IL-1 treatment and dominant negative form of MyD88 attenuates IL-1R-mediated NF-kappaB activation. MyD88 is also employed as a regulator molecule by IL-18 receptor and human Toll receptor, which are members in the Toll/IL-1R family of receptors. Targeted disruption of the MyD88 gene results in lose of cellular responses to IL-1 and IL-18, and MyD88-deficient mice lack responses to bacterial product LPS that employs Toll-like receptors 2 and 4 (TLR2 and TLR4) as the signaling receptors. MyD88 is a general adapter protein for the Toll/IL-1R family of receptors and plays an important role in the inflammatory response induced by cytokines IL-1 and IL-18 and endotoxin. MyD88 gene is expressed in many tissues.

Overview

Product Name	Anti-MyD88 Monoclonal Antibody [2E9C2]
Reactive Species	Human, Mouse
Description	Boster Bio Anti-MyD88 Monoclonal Antibody [2E9C2] (Catalog # M00025-2). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Monoclonal Clone: 2E9C2
Formulation	MyD88 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	MyD88 monoclonal antibody can be stored at -20°C, stable for one year.
Host	Mouse
Uniprot ID	Q99836

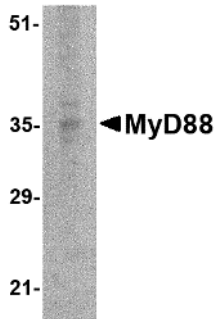
Technical Details

Immunogen	Mouse monoclonal MyD88 antibody was raised against a recombinant protein corresponding to amino acids 176 to 280 of human MyD88.
Predicted Reactive Species	Human
Isotype	IgG2b
Form	Liquid
Concentration	1 mg/mL
Purification	MyD88 Monoclonal Antibody is Protein A purified.

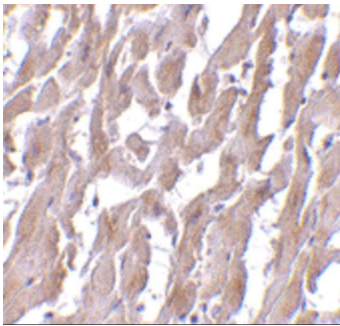
Suggested Dilutions

MyD88 antibody can be used for detection of MyD88 by Western blot at 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples and Immunohistochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-MyD88 Monoclonal Antibody [2E9C2] (M00025-2) Images



Western blot analysis of MyD88 in EL4 whole cell lysate with MyD88 antibody at 2 ug/mL.



Immunohistochemistry of MyD88 in human heart with MyD88 antibody at 2.5 ug/mL.

1 Publications Citing This Product

1. PubMed ID: 32593156, Li X, Shi MQ, Chen C, Du JR. Phthalide derivative CD21 ameliorates ischemic brain injury in a mouse model of global cerebral ischemia: involvement of inhibition of NLRP3. *Int Immunopharmacol.* 2020 Sep;86:106714. doi: 10.1016/j.intimp.2020.106714. Epub 2020 Jun 24

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