

## Product datasheet for **TA319687**

### MYD88 Mouse Monoclonal Antibody [Clone ID: 2E9C2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2E9C2
Applications:	IHC, WB
Recommended Dilution:	WB: 2 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Mouse monoclonal MyD88 antibody was raised against a recombinant protein corresponding to amino acids 176 to 280 of human MyD88.
Formulation:	MyD88 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	MyD88 Monoclonal Antibody is immunoaffinity chromatography purified IgG.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	myeloid differentiation primary response 88
Database Link:	<a href="#">AAC50954</a> <a href="#">Entrez Gene 4615 Human</a> <a href="#">Q99836</a>



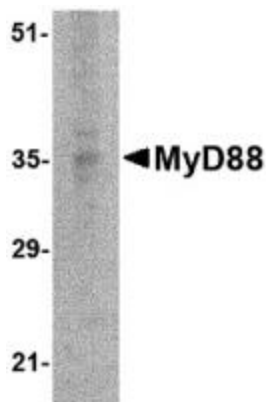
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**Background:**

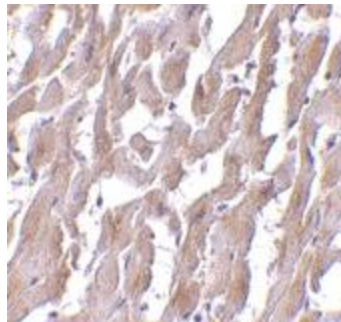
MyD88 Monoclonal Antibody: The pro-inflammatory cytokine IL-1 induced cellular response requires IL-1 receptor complex including IL-1RI and IL-1RAcP. MyD88 has been identified as an adapter molecule in the IL-1 signaling pathway. MyD88 associates with and recruits IRAK to the IL-1 receptor complex in response to IL-1 treatment and dominant negative form of MyD88 attenuates IL-1R-mediated NF- $\kappa$ B 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 loss 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.

**Synonyms:**

MYD88D

**Product images:**

Western blot analysis of MyD88 in EL4 whole cell lysate with MyD88 antibody at 2  $\mu$ g/mL.



Immunohistochemistry of MyD88 in human heart with MyD88 antibody at 2.5  $\mu$ g/mL.