

## MyD88 Monoclonal Antibody

Catalog No: #26020

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	MyD88 Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	mAb (Clone 2E9C2)
Purification	Immunoaffinity chromatography purified IgG
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Recombinant Protein
Immunogen Description	Raised against a recombinant protein corresponding to amino acids 176 to 280 of human MyD88.
Target Name	MyD88
Other Names	MyD88 (2E9C2): Myeloid differentiation primary response gene 88
Accession No.	Swiss-Prot:Q99836 Gene ID:4615
Uniprot	Q99836
GeneID	4615;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year.

## Images



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

## Background

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.

---

Note: This product is for in vitro research use only