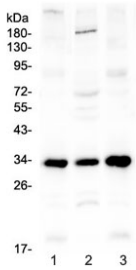
MyD88 Antibody (R32811)

Catalog No.	Formulation	Size
R32811	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P22366
Applications	Western Blot : 0.5-1ug/ml
Limitations	This MyD88 antibody is available for research use only.



Western blot testing of 1) mouse spleen, 2) mouse testis and 3) rat spleen lysate with MyD88 antibody at 0.5ug/ml. Predicted molecular weight ~33 kDa.

Description

MYD88 (Myeloid differentiation primary response gene 88), is a protein that, in humans, is encoded by the MYD88 gene. MyD88 is a key downstream adapter for most Toll-like receptors (TLRs) and interleukin-1 receptors (IL1Rs). And it is mapped on 3p22.2. MYD88 encodes a cytosolic adapter protein that plays a central role in the innate and adaptive immune response. This protein functions as an essential signal transducer in the interleukin-1 and Toll-like receptor signaling pathways. Overexpression of MYD88 caused an increase in the level of transcription from the interleukin-8 promoter. The C-terminal domain of MYD88 has significant sequence similarity to the cytoplasmic domain of IL1RAP. Inhibiting the IL1R-MYD88 pathway in vivo could block the damage from acute inflammation that occurs in response to

sterile cell death, and do so in a way that might not compromise tissue repair or host defense against pathogens.

Application Notes

Optimal dilution of the MyD88 antibody should be determined by the researcher.

Immunogen

A recombinant mouse protein corresponding to amino acids S12-D263 was used as the immunogen for the MyD88 antibody.

Storage

After reconstitution, the MyD88 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.