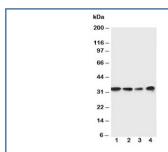


# MyD88 Antibody (R30745)

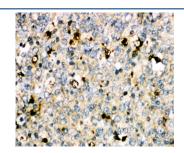
Catalog No.	Formulation	Size
R30745	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q99836
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This MyD88 antibody is available for research use only.



Western blot testing of MyD88 antibody and Lane 1: rat spleen; 2: rat thymus; 3: Jurkat; 4: Raji cell lysate. Predicted molecular weight: 33 kDa



IHC-P: MyD88 antibody testing of human tonsil tissue

#### **Description**

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). It 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. Qverexpression causes an increase in the level of transcription from the interleukin-8 promoter. The C-terminal domain of the protein 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**

The stated application concentrations are suggested starting points. Titration of the MyD88 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

### **Immunogen**

An amino acid sequence from the middle region of human MyD88 (FVQEMIRQLEQTNYR) was used as the immunogen for this 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.