# MyD88 Monoclonal Antibody

Catalog No: #26020

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## Description

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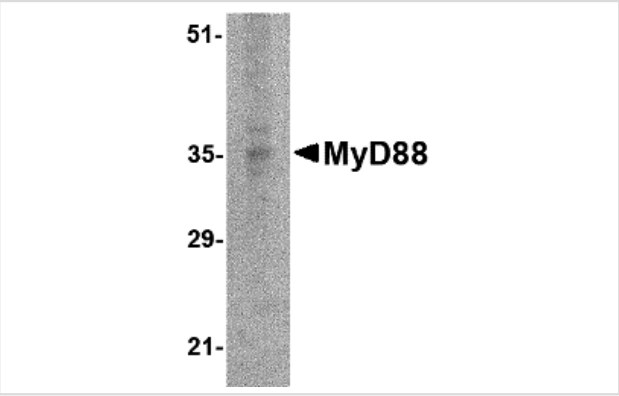
|---|---|
| Product Name | MyD88 Monoclonal Antibody |
| Host Species | Mouse |
| Clonality | Monoclonal |
| Clone No. | mAb (Clone 2E9C2) |
| Purification | Immunoaffinity chromotography purified IgG |
| Applications | ELISA WB IHC |
| Species Reactivity | Hu Ms |
| Immunogen Type | Recombinant Protein |
| 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:Q99836Gene 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-κB 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.

Note: This product is for in vitro research use only