

Datasheet for ABIN2468874

MYD88 Protein (AA 176-280) (His tag,Strep II tag)[Go to Product page](#)**1** Image

Overview

| | |
|-------------------------------|-----------------------------------------------------------|
| Quantity: | 0.05 mg |
| Target: | MYD88 |
| Protein Characteristics: | AA 176-280 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This MYD88 protein is labelled with His tag,Strep II tag. |
| Application: | Western Blotting (WB), ELISA, Mass Spectrometry (MS) |

Product Details

| | |
|---------|-------|
| Purity: | ~95 % |
|---------|-------|

Target Details

| | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | MYD88 |
| Alternative Name: | MyD88 (MYD88 Products) |
| 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 (1). 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- κ B activation. MyD88 is also employed as a regulator molecule by IL-18 receptor and human Toll receptor (2,3), which are members in the Toll/IL-1R family of receptors. Targeted disruption |

Target Details

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.

Molecular Weight: 15 kDa (Calculated)

Gene ID: 4615

OMIM: 1814020

UniProt: [Q99836](#)

Pathways: [NF-kappaB Signaling](#), [TLR Signaling](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: This recombinant protein can be used for WB, ELISA, MS.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 1X PBS containing 0.1 % SDS and 0.02 % NaN

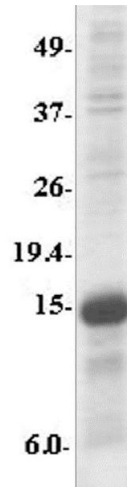
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Storage: -80 °C

Storage Comment: Store in working aliquots at -70 °C.



Western Blotting

Image 1.