

Purified anti-MyD88 Antibody

Catalog# / Size	675802 / 100 µg
Clone	O91B8
Regulatory Status	RUO
Other Names	Myeloid Differentiation Primary Response Protein MyD88, MYD88D
Isotype	Mouse IgG1, κ
Description	MyD88, originally isolated as myeloid differentiation primary response gene, is expressed in a variety of tissues. MyD88 serves as a cytoplasmic adaptor protein involved in the signaling of TLR and IL-1R family members. It associates with and recruits IRAK to IL-1R complex in response to IL-1. This pathway leads to activation of NF-κB. Targeted disruption of the MyD88 gene results in loss of cellular responses to IL-1 and IL-18. MyD88 deficient mice lack a response to LPS (a bacterial product) which employs toll like receptors 2 and 4 (TLR2 and TLR4) as signaling receptors.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Full length recombinant MyD88 protein produced in 293T cells.
Formulation	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	Affinity purified.
Concentration	0.5 mg/ml
Storage & Handling	Upon receipt, store undiluted between 2°C and 8°C.
Application	WB - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by Western blotting . For Western blotting, the suggested use of this reagent is 0.25 - 2.0 µg per ml. It is recommended that the reagent be titrated for optimal performance for each application.
Product Citations	1. Bhattacharjee P, <i>et al.</i> 2018. Sci Rep. 13:e0199785. PubMed
RRID	AB_2565607 (BioLegend Cat. No. 675802)

Antigen Details

Structure	A 296 amino acid protein encoded by 5 exons. MW around 33 kD.
Distribution	Expressed by various tissues including lymphocytes, monocytes, heart, liver and kidney.
Function	Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response.
Interaction	TIRAP, TLR2, TLR4, IRAK1, IRAK2, IL18R1, IRF-1 <i>et al.</i>
Cell Type	B cells
Biology Area	Cell Biology, Immunology, Innate Immunity, Signal Transduction
Antigen References	1. Bonnert TP, <i>et al.</i> 1997. <i>FEBS Letters</i> 402:81.

2. Burns K, *et al.* 1998. *J. Biol. Chem.* 20:12203.
3. Ohnishi H, *et al.* 2009. *Proc. Natl. Acad. Sci. USA* 106:10260.

Gene ID [4615](#)

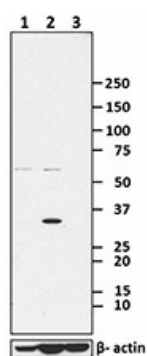
Related Protocols

[Western Blotting Protocol](#)

Other Formats

Purified anti-MyD88

Product Data



Total cell lysate from 293E cells (lane 1, 15 μ g), Jurkat cells (lane 2, 15 μ g) and Raw264.7 (lane 3, 15 μ g) were resolved by electrophoresis (4-20% Tris-Glycine gel), transferred to nitrocellulose, and probed with purified anti-MyD88 antibody (clone O91B8). Proteins were visualized using an HRP Goat anti-mouse IgG Antibody and chemiluminescence detection. Direct-Blot™ HRP anti- β -actin antibody (clone 2F1-1) was used as a loading control.

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