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## Anti-Human/Mouse MyD88 Purified

Catalog Number: 14-6223

RUO: For Research Use Only

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### Product Information


Contents: Anti-Human/Mouse MyD88 Purified

 Catalog Number: 14-6223

Clone: Polyclonal


Host/Isotype: Rabbit IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

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### Description

The polyclonal antibody reacts with human and mouse MyD88; the antibody was raised against residues 279-296 of human MyD88 and recognizes human and mouse antigens. MyD88, a myeloid differentiation primary response gene, is expressed in a variety of tissues and functions as an adapter molecule in the IL-1 signaling pathway involved in the inflammatory responses induced by cytokines and LPS. MyD88 associates with and recruits IRAK to the IL-1 receptor. Dominant negative mutants of MyD88 attenuate IL-1R-mediated NF-κB activation. MyD88 also functions as a regulator molecule for IL-18 receptor and human Toll receptor family. Targeted disruption of the MyD88 gene results in loss of cellular responses to IL-1 and IL-18, and MyD88-deficient mice lack responses to LPS.

### Applications Reported

This polyclonal antibody has been reported for use in immunoblotting (WB).

### Applications Tested

This polyclonal antibody has been reported for use in immunoblotting (1:500-1:1000 dilution) of MyD88 from Jurkat cell lysate as a positive control. A 35 kDa band can be detected. It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

### References

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- Adachi, O., T. Kawai, et al. 1998. Targeted disruption of the MyD88 gene results in loss of IL-1- and IL-18-mediated function. *Immunity* 9: 143-50.
- Hardiman, G., F. L. Rock, et al. 1996. Molecular characterization and modular analysis of human MyD88. *Oncogene* 13: 2467-75.
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- Akira, S., K. Takeda, et al. 2001. Toll-like receptors: critical proteins linking innate and acquired immunity. *Nat Immunol* 2: 675-80.

### Related Products

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