



**Qty:** 100µg/400 µL

**Rabbit anti-MyD88**

**Catalog No.** 38-5800

**Lot No.**

## Rabbit anti-MyD88

### FORM

This polyclonal antibody is supplied as a 400 µL aliquot at a concentration of 0.25 mg/mL in phosphate buffered saline (pH 7.4) containing 0.1% sodium azide. This antibody is epitope-affinity purified from rabbit antiserum.

**PAD:** ZMD.391

### IMMUNOGEN

Synthetic peptide derived from the N-terminal region of the human MyD88 protein.

### SPECIFICITY

This antibody reacts with the ~33 kDa human MyD88 protein.

### REACTIVITY

Reactivity has been confirmed with human MOLT-4 and Jurkat cell lysates.

Sample	Western Blotting	Immuno-precipitation (Native)
Human	+++	0*

(Excellent +++, Good++, Poor +, No reactivity 0, Not applicable N/A, Not Determined ND)

\* No reactivity under tested condition.

### USAGE

Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

**Western Blotting:** 1-3 µg/mL

### STORAGE

Store at 2-8°C for up to one month. Store at -20°C for long-term storage. Avoid repeated freezing and thawing.

(cont'd)

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## BACKGROUND

MyD88 is known to function as an adaptor protein in the IL-1 signaling pathway for the association of IRAK with the IL-1 receptor.<sup>1, 2, 3</sup> MyD88 contains a characteristic N-terminal death domain that is essential for NF- $\kappa$ B activation, and an adjacent Toll/IL-1R homology domain (TIR domain).<sup>4</sup> Collectively, these domains enable the protein-protein interactions of MyD88 with IRAK and the IL-1 receptor complex.<sup>5</sup> MyD88 also plays an important role in the inflammatory response induced by cytokines IL-1 and IL-18 and endotoxin.<sup>6</sup>

## REFERENCES

1. Bonnert TP, et al. *FEBS Lett* 402:81-84, 1997.
2. Burns K, et al. *J Biol Chem* 273:12203-12209, 1998.
3. Medzhitov R, et al. *Mol Cell* 2:253-258, 1998.
4. Muzio M, et al. *Science* 278:1612-1615, 1997.
5. Wesche H, et al. *Immunity* 7:837-847, 1997.
6. Kawai T, et al. *Immunity* 11:115-122, 1999.

## RELATED PRODUCTS

<b>Product</b>	<b>Conjugate</b>	<b>Cat. No.</b>
Protein A	Sepharose <sup>®</sup> 4B	10-1041
rec-Protein G	Sepharose <sup>®</sup> 4B	10-1241

<b>Conjugate</b>	<b>ZyMAX<sup>™</sup> Goat x Rabbit IgG (H+L)</b>	<b>ZyMAX<sup>™</sup> Goat x Mouse IgG (H+L)</b>
Purified	81-6100	81-6500
FITC	81-6111	81-6511
TRITC	81-6114	81-6514
Cy <sup>™</sup> 3	81-6115	81-6515
Cy <sup>™</sup> 5	81-6116	81-6516
HRP	81-6120	81-6520
AP	81-6122	81-6522
Biotin	81-6140	81-6540

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