



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)

www.invitrogen.com

Invitrogen Corporation • 542 Flynn Rd • Camarillo • CA 93012 • Tel: 800.955.6288 • E-mail: techsupport@invitrogen.com

PI385800

(Rev 10/08) DCC-08-1089

Important Licensing Information - These products may be covered by one or more Limited Use Label Licenses (see the Invitrogen Catalog or our website, www.invitrogen.com). By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

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.^{1, 2, 3} MyD88 contains a characteristic N-terminal death domain that is essential for NF- κ B activation, and an adjacent Toll/IL-1R homology domain (TIR domain).⁴ Collectively, these domains enable the protein-protein interactions of MyD88 with IRAK and the IL-1 receptor complex.⁵ MyD88 also plays an important role in the inflammatory response induced by cytokines IL-1 and IL-18 and endotoxin.⁶

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

Product	Conjugate	Cat. No.
Protein A	Sepharose [®] 4B	10-1041
rec-Protein G	Sepharose [®] 4B	10-1241

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

Zymed[®] and ZyMAX[™] are trademarks of Zymed Laboratories Inc. Cy[™] and Sepharose[®] are trademarks of Amersham Biosciences Ltd.

For Research Use Only

MA030211

www.invitrogen.com

Invitrogen Corporation • 542 Flynn Rd • Camarillo • CA 93012 • Tel: 800.955.6288 • E-mail: techsupport@invitrogen.com

PI385800

(Rev 10/08) DCC-08-1089

Important Licensing Information - These products may be covered by one or more Limited Use Label Licenses (see the Invitrogen Catalog or our website, www.invitrogen.com). By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.