

Datasheet: VMA00945

BATCH NUMBER 100005722

Description:	MOUSE ANTI MyD88
Specificity:	MyD88
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	KL01/3A2
Isotype:	IgG2a
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/500 - 1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-296 of human MyD88

**External Database
Links**

UniProt:

[Q99836](#)

[Related reagents](#)

Entrez Gene:

[4615](#)

MYD88

[Related reagents](#)

Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
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Specificity	Mouse anti MyD88 antibody recognizes myeloid differentiation primary response protein MyD88. MyD88 is the primary mediator of inflammatory pathways downstream of the Toll-like receptor (TLR) and interleukin-1 (IL-1) receptor families, achieving these functions by activating IRAK family kinases. Accordingly, MyD88 plays an important role in innate immune signaling (Deguine and Barton 2014). MyD88 is also able to modulate energy, glucose, and lipid metabolism, acting as a nutrient sensor in the intestinal epithelium and controlling energy expenditure (Lefort et al. 2019). A role in immune response to allergens has also been identified for MyD88 (Thomas et al. 2018). Disruption of the gene encoding MyD88 has been found to suppress a range of tumor types in mice. Accordingly, it has been suggested that signaling through MyD88 promotes tumorigenesis (Echizen et al. 2016). Consistent with this, mutations in the gene encoding MyD88 leads to cancer development (Hindi et al. 2017).
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Western Blotting	Mouse anti MyD88 detects a band of approximately 36 kDa in Jurkat cell lysates
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Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
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Guarantee	12 months from date of despatch
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Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00945 Antibody (10040)
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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