

## Datasheet: VMA00945

<b>Description:</b>	MOUSE ANTI MyD88
<b>Specificity:</b>	MyD88
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	KL01/3A2
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - Liquid
<b>Preparation</b>	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<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

---

**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](#)).

---

**Western Blotting**   Mouse anti MyD88 detects a band of approximately 36 kDa in Jurkat cell lysates

---

**Storage**   Store undiluted at -20°C, avoiding repeated freeze thaw cycles

---

**Guarantee**   12 months from date of despatch

---

**Acknowledgements**   PrecisionAb is a trademark of Bio-Rad Laboratories

---

**Health And Safety Information**   Material Safety Datasheet documentation #10040 available at: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

---

**Regulatory**   For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

**North & South**   Tel: +1 800 265 7376

**America**   Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

'M394352:220215'

