

## Datasheet: VMA00872

<b>Description:</b>	MOUSE ANTI RHOA
<b>Specificity:</b>	RHOA
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	21E2-C5
<b>Isotype:</b>	IgG2b
<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 - 1/2000

**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 purified by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Synthetic peptide corresponding to RhoA amino acids 159 to 190

**External Database  
Links**

**UniProt:**

[P61586](#)    [Related reagents](#)

**Entrez Gene:**

[387](#)    RHOA    [Related reagents](#)

---

**Synonyms**            ARH12, ARHA, RHO12

---

**Specificity**            **Mouse anti RhoA antibody** recognizes transforming protein RhoA, also known as ARH12.

RhoA is a ubiquitously-expressed small GTPase with important roles in cytoskeletal rearrangement, regulation of cell morphology and movement, and transcription. Like other GTPases, it cycles between an inactive GDP-bound state and an active GTP-bound state through exchange of GDP for GTP ([Choi et al. 2020](#)). Like many other GTPases, RhoA has been found to play roles in almost all stages of tumor progression including proliferation, migration, invasion and metastasis. Its activation has been shown to contribute to oncogenic transformation of a range of cell types ([Dopeso et al. 2018](#)).

Mouse anti RhoA antibody recognizes epitope sequence corresponding to amino acids 171 to 177 of RhoA.

---

**Western Blotting**      Anti RHOA detects a band of approximately 20 kDa

---

**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:  
<https://www.bio-rad-antibodies.com/SDS/VMA00872>  
10040

---

**Regulatory**             For research purposes only

---

## Related Products

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

**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)

'M394563:220215'

Printed on 25 Mar 2023

