

## Datasheet: VMA00477

<b>Description:</b>	MOUSE ANTI PDIA3
<b>Specificity:</b>	PDIA3
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	Map.ERP57
<b>Isotype:</b>	IgG1
<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	▪			1/1000

**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 purified by affinity chromatography on Protein G from tissue culture supernatant.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 25% Glycerol
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml.
<b>Immunogen</b>	Recombinant protein of human PDIA3

**External Database  
Links**

**UniProt:**

[P30101](#)    [Related reagents](#)

**Entrez Gene:**

[2923](#)    PDIA3    [Related reagents](#)

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**Synonyms**            ERP57, ERP60, GRP58

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**Specificity**            **Mouse anti Human PDIA3 antibody** recognizes PDIA3 also known as protein disulfide-isomerase A3, 58 kDa glucose-regulated protein, Grp58, Erp57, ER protein 57, ER protein 60, disulfide isomerase ER-60, endoplasmic reticulum P58, endoplasmic reticulum resident protein 57 or endoplasmic reticulum resident protein 60,

PDIA3 gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates (provided by RefSeq, Jul 2008).

Mouse anti Human PDIA3 antibody detects a band of 57 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**        Anti PDIA3 detects a band of approximately 57 kDa in HepG2 cell lysate.

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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 #10049 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00477>  
10049

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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](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**North & South  
America**    Tel: +1 800 265 7376  
                  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://bio-rad-antibodies.com/datasheets)

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