

Datasheet: VMA00477

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

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

**External Database
Links**

UniProt:

[P30101](#) [Related reagents](#)

Entrez Gene:

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

Synonyms

ERP57, ERP60, GRP58

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.

Western Blotting

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

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 #10049 available at:
10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf>

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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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

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