

Datasheet: VMA00952

**BATCH NUMBER 100005859**

<b>Description:</b>	MOUSE ANTI PDIA6
<b>Specificity:</b>	PDIA6
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	CD02/1D11
<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 - 1/1000

**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 1-440 of human PDIA6

**External Database  
Links**

**UniProt:**

[Q15084](#)   [Related reagents](#)

**Entrez Gene:**

[10130](#) PDIA6   [Related reagents](#)

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**Synonyms**

ERP5, P5, TXNDC7

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**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 PDIA6 antibody** recognizes protein disulfide-isomerase A6, also known as ER protein 5, TXNDC7. PDIA6 belongs to the protein disulfide isomerase (PDI) family. It functions as an oxidoreductase to catalyze the formation of disulfide bonds, and as a chaperone to assist with protein folding ([Bai et al. 2019](#)). PDIA6 is able to promote the proliferation and growth of many types of human cancer cell and plays important roles in tumor immunoevasion and proliferation ([Gao et al. 2016](#)). Overexpression of PDIA6 has been identified in patients with lung adenocarcinoma and correlates with clinical status ([Tufo et al. 2014](#)). PDIA6 also appears to have metabolic roles, having found to be essential for glucose-stimulated insulin secretion. When PDIA6 is ablated, insulin release is substantially inhibited ([Eletto et al. 2016](#)).

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**Western Blotting**

Mouse anti PDIA6 detects a band of approximately 50 kDa in HepG2 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/VMA00952>  
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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