

## Datasheet: VMA00585

<b>Description:</b>	MOUSE ANTI THIOREDOXIN 1
<b>Specificity:</b>	THIOREDOXIN 1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	3A1
<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
Immunoprecipitation	▪			
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 ascites.
<b>Buffer Solution</b>	HEPES buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin <50% Glycerol
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml.
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human thioredoxin 1

**External Database  
Links**

**UniProt:**

[P10599](#)   [Related reagents](#)

**Entrez Gene:**

[7295](#)   TXN   [Related reagents](#)

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**Synonyms**

TRDX, TRX, TRX1

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**Specificity**

**Mouse anti Human thioredoxin 1 antibody** recognizes thioredoxin, also known as ADF, ATL-derived factor, SASP, TRX or TXN delta 3.

The protein encoded by TXN gene acts as a homodimer and is involved in many redox reactions. The encoded protein is active in the reversible S-nitrosylation of cysteines in certain proteins, which is part of the response to intracellular nitric oxide. This protein is found in the cytoplasm. Two transcript variants encoding different isoforms have been found for TXN (provided by RefSeq, Oct 2011).

Mouse anti Human thioredoxin 1 antibody detects a band of 12 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti thioredoxin 1 detects a band of approximately 12 kDa in HeLa 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 #20359 available at:  
Antibody (20359): <https://www.bio-rad-antibodies.com/uploads/MSDS/20359.pdf>

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

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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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