

Datasheet: VMA00585

BATCH NUMBER 161202

Description:	MOUSE ANTI THIOREDOXIN 1
Specificity:	THIOREDOXIN 1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	3A1
Isotype:	IgG2b
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
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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from ascites
Buffer Solution	HEPES buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin <50% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen *E. coli*-derived recombinant human thioredoxin 1

External Database

Links

UniProt:

[P10599](#) [Related reagents](#)

Entrez Gene:

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

Synonyms

TRDX, TRX, TRX1

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.

Western Blotting

Anti thioredoxin 1 detects a band of approximately 12 kDa in HeLa cell lysates

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 #20359 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00585>
Antibody (20359)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: 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

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: 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)

'M394239:220210'

Printed on 25 Mar 2023

