

Datasheet: VMA00805

BATCH NUMBER 100004378

Description:	MOUSE ANTI GLRX
Specificity:	GLRX
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/1D2
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
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

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - Liquid

Preparation

Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-147 of human GLRX
External Database Links	<p>UniProt: P35754 Related reagents</p> <p>Entrez Gene: 2745 GLRX Related reagents</p>
Synonyms	GRX
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti GLRX antibody recognizes glutaredoxin-1, also known as TTase-1 and GRX.</p> <p>GLRX is a redox-regulator and is involved with cell survival through a number of mechanisms. The protein plays an important role in responses to oxidative stress, which is a significant risk factor for many diseases. GLRX fused to PEP-1 peptide has been shown to attenuate neuronal cell death that results from oxidative stress, and therefore, PEP-1-GLRX1 has been suggested as beneficial for treating neuronal disorders (Ryu et al. 2018). Exogenous GLRX may also have therapeutic potential in the treatment of idiopathic pulmonary fibrosis, also due to its role in oxidative stress (Anathy et al. 2018). Inhibition of GLRX enhances the effect of the tyrosine kinase inhibitor gefitinib in non-small-cell lung cancer cells that are resistant to this drug (Wang et al. 2019).</p>
Western Blotting	Mouse anti xx antibody detects a band of approximately 11 kDa in HepG2 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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00805 Antibody (10040)
Regulatory	For research purposes only

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

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