

## Datasheet: VMA00805

<b>Description:</b>	MOUSE ANTI GLRX
<b>Specificity:</b>	GLRX
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB01/1D2
<b>Isotype:</b>	IgG1
<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. Learn about [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>Species Cross Reactivity</b>	<p>Reacts with: Mouse, Rat</p> <p><b>N.B.</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.</p>
<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 1-147 of human GLRX
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P35754</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2745</a>    GLRX    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	GRX
<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
<b>Specificity</b>	<p><b>Mouse anti GLRX antibody</b> 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 (<a href="#">Ryu et al. 2018</a>). Exogenous GLRX may also have therapeutic potential in the treatment of idiopathic pulmonary fibrosis, also due to its role in oxidative stress (<a href="#">Anathy et al. 2018</a>). 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 (<a href="#">Wang et al. 2019</a>).</p>
<b>Western Blotting</b>	Mouse anti xx antibody detects a band of approximately 11 kDa in HepG2 cell lysates
<b>Storage</b>	<p>This product is shipped at ambient temperature.</p> <p>Store undiluted at -20°C, avoiding repeated freeze thaw cycles</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00805">https://www.bio-rad-antibodies.com/SDS/VMA00805</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
'M443782:250709'

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