

## Datasheet: MCA6023

<b>Description:</b>	MOUSE ANTI PEROXIREDOXIN 2
<b>Specificity:</b>	PEROXIREDOXIN 2
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	1E8
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	50 µg

## 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
Immunohistology - Paraffin	▪			
ELISA	▪			
Western Blotting	▪			1/2000 - 1/4000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Based on sequence similarity, is expected to react 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

IgG fraction prepared by ammonium sulphate precipitation

### Buffer Solution

HEPES buffered saline

### Preservative Stabilisers

0.03% Sodium Azide (NaN<sub>3</sub>)  
 0.01% Bovine Serum Albumin

50% Glycerol

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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
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<b>Immunogen</b>	Recombinant human protein purified from <i>E.coli</i>
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P32119</a> <a href="#">Related reagents</a>
	<b>Entrez Gene:</b> <a href="#">7001</a> PRDX2 <a href="#">Related reagents</a>

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<b>Synonyms</b>	NKEFB, TDPX1
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<b>Specificity</b>	<b>Mouse anti peroxiredoxin 2 antibody, clone 1E8</b> , recognizes peroxiredoxin 2 also known as natural killer cell-enhancing factor B, thiol-specific antioxidant protein and thioredoxin peroxidase 1. Peroxiredoxin 2 is a cytoplasmic enzyme involved in cellular redox regulation.
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<b>Western Blotting</b>	Mouse anti peroxiredoxin 2 antibody recognizes a band of approximately 26 kDa in HeLa, 293T, SH-SY5Y and HEPG2 cell lysates
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<b>Storage</b>	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10088 available at: 10088: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10088.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10088.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

Rabbit Anti Mouse IgG (STAR9...)

[FITC](#)

Goat Anti Mouse IgG (H/L) (STAR117...)

[Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),

[DyLight®800](#), [FITC](#), [HRP](#)

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**North & South** Tel: +1 800 265 7376

**Worldwide**

Tel: +44 (0)1865 852 700

**Europe**

Tel: +49 (0) 89 8090 95 21

**America** Fax: +1 919 878 3751

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