

## Datasheet: VMA00583

|                      |                            |
|----------------------|----------------------------|
| <b>Description:</b>  | MOUSE ANTI PEROXIREDOXIN 6 |
| <b>Specificity:</b>  | PEROXIREDOXIN 6            |
| <b>Format:</b>       | Purified                   |
| <b>Product Type:</b> | PrecisionAb Monoclonal     |
| <b>Clone:</b>        | 4A3                        |
| <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 |
|------------------|-----|----|----------------|--------------------|
| 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>Species Cross Reactivity</b> | <p>Reacts with: Mouse</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 purified by affinity chromatography on Protein G from ascites.  |
| <b>Buffer Solution</b>          | HEPES buffered saline.  |
| <b>Preservative Stabilisers</b> | <p>0.09% Sodium Azide (NaN<sub>3</sub>)</p> <p>1% Bovine Serum Albumin</p> <p>&lt;50% Glycerol</p>  |

|                                       |  |
|---------------------------------------|--|
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml  |
| <b>Immunogen</b>                      | <i>E. coli</i> -derived recombinant human peroxiredoxin 6  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P30041</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">9588</a>    PRDX6    <a href="#">Related reagents</a></p>   |
| <b>Synonyms</b>                       | AOP2, KIAA0106   |
| <b>Specificity</b>                    | <p><b>Mouse anti Human peroxiredoxin 6 antibody</b> recognizes peroxiredoxin 6, also known as 1-Cys PRX, 1-Cys peroxiredoxin, acidic calcium-independent phospholipase A2, PRDX6 or non-selenium glutathione peroxidase.</p> <p>The protein encoded by PRDX6 gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H<sub>2</sub>O<sub>2</sub> and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human peroxiredoxin 6 antibody detects a band of 25 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| <b>Western Blotting</b>               | Anti peroxiredoxin 6 detects a band of approximately 25 kDa in HeLa cell lysates.  |
| <b>Storage</b>                        | Store undiluted at -20°C, avoiding repeated freeze thaw cycles.  |
| <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 #20359 available at: Antibody (20359): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20359.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20359.pdf</a>   |
| <b>Regulatory</b>                     | For research purposes only.  |

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

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

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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