

Datasheet: VMA00662

**BATCH NUMBER 170508**

|                      |                                |
|----------------------|--------------------------------|
| <b>Description:</b>  | MOUSE ANTI ALPHA 1 ANTITRYPSIN |
| <b>Specificity:</b>  | ALPHA 1 ANTITRYPSIN            |
| <b>Format:</b>       | Purified                       |
| <b>Product Type:</b> | PrecisionAb Monoclonal         |
| <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 |
|------------------|-----|----|----------------|--------------------|
| 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.

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| <b>Target Species</b>           | Human  |
| <b>Product Form</b>             | Purified IgG - liquid  |
| <b>Preparation</b>              | Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant |
| <b>Buffer Solution</b>          | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide (NaN <sub>3</sub> )   |
| <b>Immunogen</b>                | Recombinant protein of partial human alpha 1 antitrypsin.  |
| <b>External Database Links</b>  | <b>UniProt:</b><br><a href="#">P01009</a> <a href="#">Related reagents</a>                                 |

**Entrez Gene:**[5265](#) SERPINA1 [Related reagents](#)

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| <b>Synonyms</b> | AAT, PI |
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| <b>Specificity</b> | <p><b>Mouse anti Human alpha 1 antitrypsin antibody</b> recognizes alpha 1 antitrypsin, also known as alpha-1 protease inhibitor, alpha-1-antiproteinase, protease inhibitor 1 (anti-elastase), serine (or cysteine) proteinase inhibitor clade A member 1 or serpin A1.</p> <p>The protein encoded by SERPINA1 is secreted and is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in SERPINA1 can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for SERPINA1 (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human alpha 1 antitrypsin antibody detects bands of 47 and 58 kDa. The antibody has been extensively validated for western blotting using serum and whole cell lysates.</p> |
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| <b>Western Blotting</b> | Mouse anti alpha 1 antitrypsin antibody detects a bands of approximately 58 kDa in human serum samples |
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| <b>Storage</b> | Store undiluted at -20°C, avoiding repeated freeze thaw cycles |
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| <b>Guarantee</b> | 12 months from date of despatch |
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| <b>Acknowledgements</b> | PrecisionAb is a trademark of Bio-Rad Laboratories. |
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| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00662">https://www.bio-rad-antibodies.com/SDS/VMA00662</a><br>Antibody (10040) |
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|-------------------|----------------------------|
| <b>Regulatory</b> | For research purposes only |
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## Related Products

### Recommended Secondary Antibodies

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

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|---|------------------|---|---------------|---|

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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