

Datasheet: VMA00662

Description:	MOUSE ANTI ALPHA 1 ANTITRYPSIN
Specificity:	ALPHA 1 ANTITRYPSIN
Format:	Purified
Product Type:	PrecisionAb Monoclonal
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
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
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃).
Immunogen	Recombinant protein of partial human alpha 1 antitrypsin.
External Database Links	<p>UniProt:</p> <p>P01009 Related reagents</p> <p>Entrez Gene:</p>

Synonyms	AAT, PI
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Specificity	<p>Mouse anti Human alpha 1 antitrypsin antibody 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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Western Blotting	Mouse anti alpha 1 antitrypsin antibody detects a bands of approximately 58 kDa in human serum samples.
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Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
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Guarantee	12 months from date of despatch.
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Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00662 Antibody (10040)
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Regulatory	For research purposes only.
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Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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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](https://www.bio-rad-antibodies.com/datasheets)

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