

## Datasheet: VMA00338

<b>Description:</b>	MOUSE ANTI PHOSPHOSERINE AMINOTRANSFERASE
<b>Specificity:</b>	PHOSPHOSERINE AMINOTRANSFERASE
<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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <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.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody prepared 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 human phosphoserine aminotransferase

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q9Y617</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">29968</a> PSAT1 <a href="#">Related reagents</a>
<b>Synonyms</b>	PSA
<b>Specificity</b>	<p><b>Mouse anti Human phosphoserine aminotransferase antibody</b> recognizes phosphoserine aminotransferase, also known as endometrial progesterone-induced protein and phosphohydroxythreonine aminotransferase.</p> <p>Encoded by the PSAT1 gene, phosphoserine aminotransferase is a member of the class-V pyridoxal-phosphate-dependent aminotransferase family. Decreased expression of this protein may be associated with schizophrenia. Mutations in PSAT1 are also associated with phosphoserine aminotransferase deficiency. Alternative splicing results in multiple transcript variants. Pseudogenes of PSAT1 have been defined on chromosomes 1, 3, and 8 (provided by RefSeq, Jul 2013).</p> <p>Mouse anti Human phosphoserine aminotransferase antibody detects a band of 41 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti phosphoserine aminotransferase detects a band of approximately 41 kDa in A549 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 #10040 available at: Antibody (10040): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.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 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://bio-rad-antibodies.com/datasheets)  
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