

## Datasheet: VMA00073

<b>Description:</b>	MOUSE ANTI SYNAPTOPHYSIN
<b>Specificity:</b>	SYNAPTOPHYSIN
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgM
<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.

#### Target Species

Human

#### Species Cross Reactivity

Reacts 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 IgM - liquid

#### Preparation

Mouse monoclonal antibody purified by gel filtration from tissue culture supernatant.

#### Buffer Solution

Phosphate buffered saline.

#### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>).

#### Immunogen

Crude human synaptic immunoprecipitate

**External Database  
Links**

**UniProt:**

[P08247](#)   [Related reagents](#)

**Entrez Gene:**

[6855](#)   SYP   [Related reagents](#)

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**Specificity**

**Mouse anti Human synaptophysin antibody** recognizes synaptophysin, also known as major synaptic vesicle protein p38.

Synaptophysin encodes an integral membrane protein of small synaptic vesicles in brain and endocrine cells. Synaptophysin also binds cholesterol and is thought to direct targeting of vesicle-associated membrane protein 2 (synaptobrevin) to intracellular compartments. Mutations in synaptophysin are associated with X-linked mental retardation (XLMR) (provided by RefSeq, Aug 2011).

Mouse anti Human synaptophysin antibody detects a band of approximately 37 kDa. The antibody has been extensively validated for western blotting using brain lysates.

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**Western Blotting**

Anti synaptophysin detects a band of approximately 37 kDa in mouse brain lysates.

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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/VMA00073>  
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 IgM NEGATIVE CONTROL \(MCA692\)](#)

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

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