

Datasheet: VMA00152

Description:	MOUSE ANTI NEURON SPECIFIC ENOLASE
Specificity:	NEURON SPECIFIC ENOLASE
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	5D3
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 ascites.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃).
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	Purified recombinant fragment, amino acids 251-433, of human neuron specific enolase expressed in <i>E. coli</i>

**External Database
Links**

UniProt:

[P09104](#)

[Related reagents](#)

Entrez Gene:

[2026](#)

ENO2

[Related reagents](#)

Specificity

Mouse anti Human neuron specific enolase antibody recognizes neuron specific enolase (NSE), also known as 2-phospho-D-glycerate hydro-lyase, 2-phospho-D-glycerate hydrolyase, epididymis secretory protein Li 279, gamma-enolase and neuron specific gamma enolase.

Encoded by the ENO2 gene, neuron specific enolase is one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates (provided by RefSeq, Jul 2008).

Mouse anti Human neuron specific enolase antibody detects a band of 47 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti Neuron Specific Enolase detects a band of approximately 47 kDa in Jurkat cell lysates.

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee

12 months from date of despatch.

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00152>
Antibody (10040)

Regulatory

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://www.bio-rad-antibodies.com/datasheets)

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