

Datasheet: VMA00198

Description:	MOUSE ANTI GARS
Specificity:	GARS
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI4H8
Isotype:	IgG2b
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 from ascites.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	Full length recombinant human GARS (NP_002038) produced in HEK293T cells

**External Database
Links**

UniProt:

[P41250](#)

[Related reagents](#)

Entrez Gene:

[2617](#)

GARS

[Related reagents](#)

Specificity

Mouse anti Human GARS antibody, clone OTI4H8 recognizes GARS, also known as AP-4-A synthetase, Charcot-Marie-Tooth neuropathy 2D, Charcot-Marie-Tooth neuropathy, neuronal type, D, diadenosine tetraphosphate synthetase, glycine tRNA ligase and glycine--tRNA ligase.

The GARS gene encodes one of the aminoacyl-tRNA synthetases that charge tRNAs with their cognate amino acids. The encoded enzyme is an (alpha)2 dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis (provided by RefSeq, Jul 2008).

Mouse anti Human GARS antibody, clone OTI4H8 detects a band of 83 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti GARS detects a band of approximately 83 kDa in K562 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 #10048 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00198>
Antibody (10048)

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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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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