

Datasheet: VMA00198

Description:	MOUSE ANTI GARS
Specificity:	GARS
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OT14H8
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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant 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	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant human GARS (NP_002038) produced in HEK293T cells
External Database Links	<p>UniProt: P41250 Related reagents</p> <p>Entrez Gene: 2617 GARS Related reagents</p>
Specificity	Mouse anti Human GARS antibody 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 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.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
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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