

## Datasheet: VMA00987

<b>Description:</b>	MOUSE ANTI HUMAN DNM2
<b>Specificity:</b>	DNM2
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB02/4E12
<b>Isotype:</b>	IgG2a
<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
Immunoprecipitation	▪			2.5 µg
Western Blotting	▪			1/2000

**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: Rat, Mouse

**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 IgG - liquid

### Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

### Buffer Solution

Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant protein, aa 519-870 of human DNM2
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P50570</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1785</a>    DNM2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	DYN2
<b>Specificity</b>	<p><b>Mouse anti Human DNM2 antibody</b> recognizes dynamin 2.</p> <p>DNM2 is a ubiquitously expressed large GTPase that plays a role in a number of cellular functions, including membrane trafficking and cytoskeleton regulation. Heterozygous mutations in the <i>DNM2</i> gene are associated with two tissue-specific diseases that affect peripheral nerves, Charcot-Marie-Tooth disease (CMT) and autosomal dominant centronuclear myopathy (CNM) (<a href="#">Muñoz et al. 2019</a>).</p>
<b>Western Blotting</b>	Mouse anti Human DNM2 antibody detects a band of 101 kDa in K562 cell lysates
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<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: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00987">https://www.bio-rad-antibodies.com/SDS/VMA00987</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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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