

## Datasheet: VMA00807

<b>Description:</b>	MOUSE ANTI UNCONVENTIONAL MYOSIN 6
<b>Specificity:</b>	Unconventional Myosin 6
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	CD02/3A9
<b>Isotype:</b>	IgG1
<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	■			1/500 - 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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - Liquid
<b>Preparation</b>	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant protein of amino acids 1042-1294 of human MYO6

**External Database  
Links**

**UniProt:**

[Q9UM54](#)

[Related reagents](#)

**Entrez Gene:**

[4646](#)

MYO6

[Related reagents](#)

<b>Synonyms</b>	KIAA0389
<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
<b>Specificity</b>	<p><b>Mouse anti Unconventional Myosin 6 antibody</b> recognizes unconventional myosin-6 (MYO6).</p> <p>Unconventional Myosin 6 is an actin-based motor protein which moves cargo towards the minus end of actin filaments, in the opposite direction to every other myosin. Due to its unique function, and its role in a wide variety of cellular processes including endocytosis, polarized secretion, and autophagy (<a href="#">Masters et al. 2017</a>). Unconventional Myosin 6 upregulation is a hallmark of various cancer types, is critical for maintaining malignant properties, and contributes to tumor cell migration and metastasis (<a href="#">Lei et al. 2017</a>). The loss or overexpression of Unconventional Myosin 6 is also associated with neurodegenerative diseases, cardiomyopathy, deafness, and other pathologies (<a href="#">de Jonge et al. 2019</a>).</p>
<b>Western Blotting</b>	Mouse anti unconventional myosin 6 antibody detects a band of approximately 140 kDa in MCF-7 cell lysates
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
<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/VMA00807">https://www.bio-rad-antibodies.com/SDS/VMA00807</a> Antibody (10040)
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>	<b>To find a</b>
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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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