

## 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](#)

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**Synonyms**

KIAA0389

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**Fusion Partners**

Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

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**Specificity**

**Mouse anti Unconventional Myosin 6 antibody** recognizes unconventional myosin-6 (MYO6).

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 ([Masters et al. 2017](#)). 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 ([Lei et al. 2017](#)). The loss or overexpression of Unconventional Myosin 6 is also associated with neurodegenerative diseases, cardiomyopathy, deafness, and other pathologies ([de Jonge et al. 2019](#)).

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**Western Blotting**

Mouse anti unconventional myosin 6 antibody detects a band of approximately 140 kDa in MCF-7 cell lysates

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**Storage**

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

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00807>  
Antibody (10040)

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**Regulatory**

For research purposes only

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## 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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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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