

Datasheet: VMA00783

Description:	MOUSE ANTI MYOSIN HEAVY CHAIN 10
Specificity:	MYOSIN HEAVY CHAIN 10
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01-2/4F2
Isotype:	IgG1
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
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1580-1976 of human myosin heavy chain 10
External Database Links	<p>UniProt: P35580 Related reagents</p> <p>Entrez Gene: 4628 MYH10 Related reagents</p>

Specificity **Mouse anti Human myosin heavy chain 10 antibody** recognizes myosin heavy chain 10, also known as cellular myosin heavy chain type B, myosin heavy polypeptide 10 non-muscle and myosin-10.

MYH10 encodes a member of the myosin superfamily. The protein represents a conventional non-muscle myosin; it should not be confused with the unconventional myosin-10 (MYO10). Myosins are actin-dependent motor proteins with diverse functions including regulation of cytokinesis, cell motility, and cell polarity. Mutations in MYH10 have been associated with May-Hegglin anomaly and developmental defects in brain and heart. Multiple transcript variants encoding different isoforms have been found for MYH10 (provided by RefSeq, Dec 2011).

Mouse anti Human myosin heavy chain 10 antibody detects a band of 248 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Mouse anti myosin heavy chain 10 detects a band of approximately 248 kDa in HEK293 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 #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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