

Datasheet: VMA00101

Description:	MOUSE ANTI TROPONIN T (CARDIAC)
Specificity:	TROPONIN T (CARDIAC)
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	C03-9H8
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

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
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃).
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Purified native Troponin T protein from human cardiac tissue.

**External Database
Links**

UniProt:

[P45379](#) [Related reagents](#)

Entrez Gene:

[7139](#) TNNT2 [Related reagents](#)

Specificity

Mouse anti Human troponin T antibody recognizes troponin T, cardiac muscle, also known as cardiomyopathy dilated 1D (autosomal dominant) and cardiomyopathy hypertrophic 2.

Encoded by the TNNT2 gene, troponin T is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in TNNT2 have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for TNNT2 undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined (provided by RefSeq, Jul 2008).

Mouse anti Human troponin T antibody detects a band of 40 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti troponin T detects a band of approximately 40 kDa in human heart 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:
<https://www.bio-rad-antibodies.com/SDS/VMA00101>
Antibody (10040)

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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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