



Mouse anti Troponin T Monoclonal Antibody

Alternative Name(s): CMD1D, CMH2, CMPD2, LVNC6, RCM3, TnTC, cTnT

Order Information

- **Description:** Troponin T
- **Catalogue:** 500-3244
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** 9B1
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

Highly purified human cardiac troponin T

BACKGROUND

Cardiac Troponin T, a 35.4kDa protein, 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 within the protein have been associated with familial hyper-trophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for the gene undergo alternative splicing that results in many tissue specific isoforms.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Troponin T . The other species not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 36.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

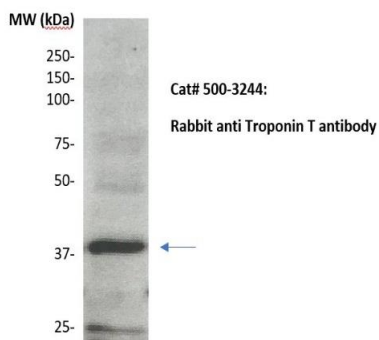
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

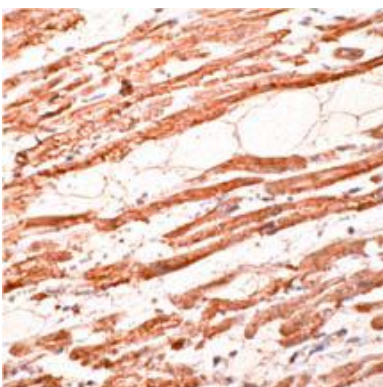
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DATA ATTACHMENTS



Western Blot: The whole lysate derived from mouse heart (20 ug/lane) immunoblotted by Mouse anti Troponin T (Cat# 500-3244) at 1:500. Observed a major immunoreactive band at molecular weight ~36 kDa.



Immunohistochemistry: Human cardia muscle (FFPE) stained with Mouse Anti-Troponin T antibody (Cat# 500-3244) at 1:50 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for

REFERENCES

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