
Product Name: TNNT2 Mouse Monoclonal Antibody**Catalog #: AMM82818**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	35.9kDa

Antigen Information

Gene Name	TNNT2
Alternative Names	CMH2; RCM3; TnTC; cTnT; CMD1D; CMPD2; LVNC6
Gene ID	7139.0
SwissProt ID	P45379
Immunogen	Purified recombinant fragment of human TNNT2 (AA: 1-295) expressed in E. Coli.

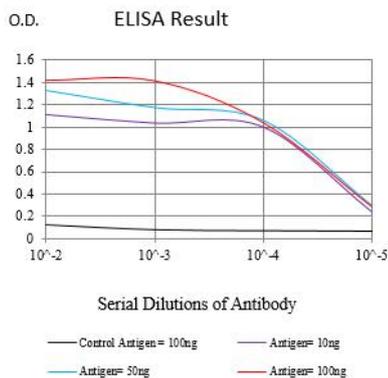
Background

The protein encoded by this gene 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 this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated

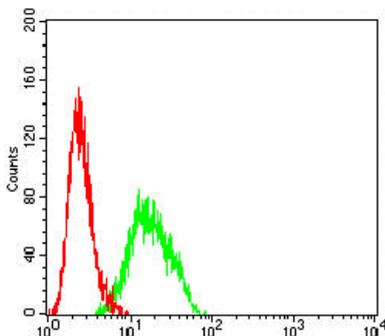
cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined.

Research Area

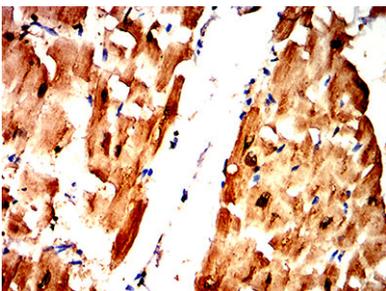
Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Flow cytometric analysis of LNcap cells using TNNT2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cardiac muscle tissues using TNNT2 mouse mAb with DAB staining.