

TNNT2 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2817
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human TNNT2 (AA: full 1-295) expressed in E. Coli.
Mol wt	35.9kDa
Species reactivity	Human,Mouse
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	CMH2;RCM3;TnTC;cTnT;CMD1D;CMPD2;LVNC6

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

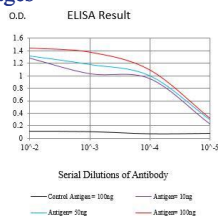
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

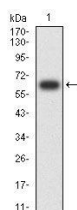
ELISA: 1:10000

Not yet tested in other applications.

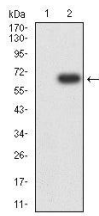
Images



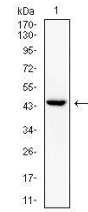
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



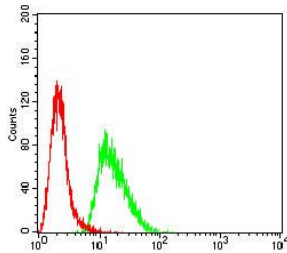
Western blot analysis using TNNT2 mAb against human TNNT2(AA: full 1-295) recombinant protein. (Expected MW is 61.5 kDa)



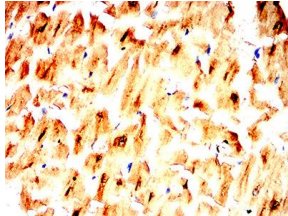
Western blot analysis using TNNT2 mAb against HEK293-6e (1) and TNNT2 (AA: full 1-295)-hlgGFc transfected HEK293-6e (2) cell lysate.



Western blot analysis using TNNT2 mouse mAb against mouse heart (1) cell lysate.



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



Immunohistochemical analysis of paraffin-embedded myocardium tissues using TNNT2 mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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