

Product datasheet for **AM06763SU-N**

Cardiac Troponin T (TNNT2) Mouse Monoclonal Antibody [Clone ID: 1G1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1G1
Applications:	ELISA, FC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Flow Cytometry: 1/200 - 1/400.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human Troponin T2 expressed in E. Coli.
Specificity:	Recognizes Troponin T2
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	36 kDa
Gene Name:	troponin T2, cardiac type
Database Link:	Entrez Gene 7139 Human P45379



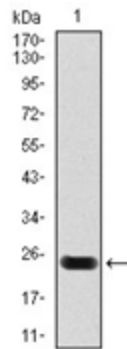
[View online »](#)

Background:

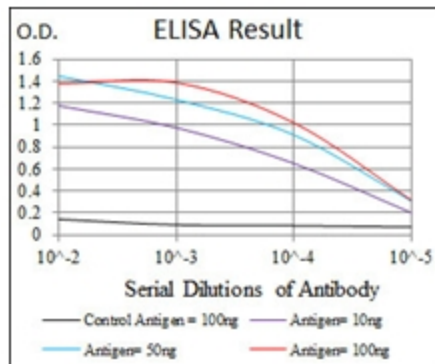
The protein encoded by this gene is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with 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.

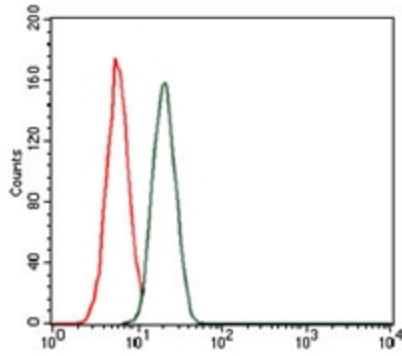
Synonyms:

cTnT, TnTc, TNNT2

Product images:


Western blot analysis using Troponin T2 antibody Cat.-No AM06763SU-N against human troponin T2 (AA: 88-249) recombinant protein. (Expected MW is 25.1 kDa)





Flow Cytometric analysis of MCF-7 cells using Troponin T2 antibody Cat.-No AM06763SU-N (green) and negative control (red).