

Product datasheet for **AM01246PU-N**

Cardiac Troponin T (TNNT2) Mouse Monoclonal Antibody [Clone ID: BGN/1288/44]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BGN/1288/44
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western Blot (1/100).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	HMW conjugate
Specificity:	This antibody recognizes Troponin T Cardiac Isoform 1. Under reducing conditions, this antibody reacts with purified cardiac isoform in Western blotting and does not react with the skeletal isoform under the same conditions.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store 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.
Gene Name:	troponin T2, cardiac type
Database Link:	Entrez Gene 7139 Human P45379



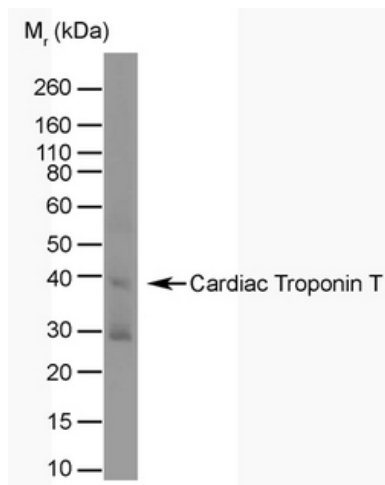
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Background:

Cardiac Troponin T, a 36kDa 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 hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for the gene undergo alternative splicing that results in many tissue specific isoforms.

Synonyms:

cTnT, TnTc, TNNT2

Product images:

Human Heart lysate probed with Troponin T Cardiac Isoform 1 antibody.