

Product datasheet for **BM751**

Cardiac Troponin T (TNNT2) Mouse Monoclonal Antibody [Clone ID: 7G7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7G7
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot.
Reactivity:	Bovine, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Troponin T from Human heart.
Specificity:	This antibody is specific for Cardiac Troponin T and does not react with the Skeletal form. The epitope has been mapped to a region between amino acids 60-71 of the native protein.
Formulation:	PBS containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
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.
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