

Product datasheet for **AM05142PU-N**

Cardiac Troponin I (TNNI3) (65-74) Mouse Monoclonal Antibody [Clone ID: B158M]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B158M
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	Immunoassay Immunoprecipitation. Immunohistochemistry. Immunoaffinity purification. Western blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Free human cTnI and native human cTn complex.
Specificity:	This antibody reacts with free cardiac troponin I (cTnI). Does not react with cTnI forming complexes with other troponin components. Not affected by phosphorylation. Recognizes an epitope between amino acid residues 65 and 74 of cTnI. No crossreactivity with skeletal muscle cTnI.
Formulation:	PBS, pH 7.4 containing 0,09% sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein A chromatography >90% pure (SDS-PAGE).
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	troponin I3, cardiac type



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Database Link: [Entrez Gene 7137 Human P19429](#)

Background: Troponin I is part of a heteromeric complex playing an important role in the regulation of skeletal and cardiac muscle contraction. It consists of three subunits, troponin I (TnI), troponin T (TnT) and troponin C (TnC). Each subunit is responsible for part of troponin complex function. TnI inhibits ATPase activity of actomyosin and TnT and TnI are present in cardiac muscles in different forms than in skeletal muscles. Only one tissue specific isoform of TnI is described for cardiac muscle tissue (cTnI) and this is expressed only in myocardium.

Synonyms: TNNI3, TNNC1