

## Product datasheet for **AM05139PU-N**

### Cardiac Troponin I (TNNI3) (1-23) Mouse Monoclonal Antibody [Clone ID: B163M]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	B163M
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	Immunoassay. Immunoprecipitation. Immunohistochemistry. Immunoaffinity purification. Western blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human cTnI peptide
Specificity:	This antibody reacts with free cardiac troponin I (cTnI) and cTnI forming complexes with other troponin components. Not affected by heparin and phosphorylation. Recognizes an epitope located between amino acid residues 1 and 23 of cTnI. No cross-reactivity with skeletal muscle troponin I.
Formulation:	PBS, pH 7.4 containing 0,09% sodium azide State: Purified State: Liquid purified Ig
Purification:	Protein A chromatography
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
Database Link:	<a href="#">Entrez Gene 7137 Human P19429</a>



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**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