

AM05139PU-N**Monoclonal Antibody to Cardiac Troponin I (1-23) - Purified**

Alternate names:	TNNC1, TNNI3
Quantity:	1 mg
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 (Tnl), troponin T (TnT) and troponin C (TnC). Each subunit is responsible for part of troponin complex function. Tnl inhibits ATPase activity of acto myosin and TnT and Tnl are present in cardiac muscles in different forms than in skeletal muscles. Only one tissue specific isoform of Tnl is described for cardiac muscle tissue (cTnl) and this is expressed only in myocardium.
Uniprot ID:	P19429
NCBI:	NP_000354.4
GeneID:	7137
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	B163M
Immunogen:	Human cTnl peptide
Format:	State: Liquid purified Ig Purification: Protein A chromatography Buffer System: PBS, pH 7.4 containing 0,09% sodium azide
Applications:	Immunoassay. Immunoprecipitation. Immunohistochemistry. Immunoaffinity purification. Western blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with free cardiac troponin I (cTnl) and cTnl forming complexes with other troponin components. Not affected by heparin and phosphorylation. Recognizes an epitope located between amino acid residues 1 and 23 of cTnl. No cross-reactivity with skeletal muscle troponin I.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.