

Product datasheet for **SM1371P**

Cardiac Troponin I (TNNI3) Mouse Monoclonal Antibody [Clone ID: 110 (10F4)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	110 (10F4)
Applications:	ELISA, WB
Recommended Dilution:	Suitable for ELISA and Western blotting.
Reactivity:	Bovine, Canine, Feline, Goat, Human, Porcine, Rabbit, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified human Cardiac Troponin I.
Specificity:	This antibody is specific for amino acids 34-37 of Troponin I from Human heart. There is no cross-reactivity with skeletal muscle Troponin I.
Formulation:	PBS pH 7.4, 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 I3, cardiac type
Database Link:	Entrez Gene 7137 Human P19429



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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. E.g. TnI inhibits ATP-ase activity of acto-myosin. TnT and TnI are presented in cardiac muscles in different forms than in skeletal muscles. Only one tissue-specific isoform of TnI is described for cardiac muscle tissue (cTnI). cTnI is expressed only in myocardium
Synonyms:	TNNI3, TNNC1