ARG10475
anti-Cardiac Troponin C antibody [7B9]

Package: 200 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [7B9] recognizes Cardiac Troponin C
Tested Reactivity	Hu
Tested Application	ELISA, IA, Puri, WB
Host	Mouse
Clonality	Monoclonal
Clone	7B9
Isotype	IgG1
Target Name	Cardiac Troponin C
Species	Human
Immunogen	human cardiac troponin complex
Conjugation	Un-conjugated
Alternate Names	CMH13; Troponin C, slow skeletal and cardiac muscles; CMD1Z; TNC; TNNC; TN-C

Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Protein A affinity purified.
Buffer	PBS (pH 7.4) and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Concentration	1.0-2.0 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 7134 Human Swiss-port # P63316 Human

Gene Symbol	TNNC1
Gene Full Name	troponin C type 1 (slow)
Background	Troponin is a central regulatory protein of striated muscle contraction, and together with tropomyosin, is located on the actin filament. Troponin consists of 3 subunits: TnI, which is the inhibitor of actomyosin ATPase; TnT, which contains the binding site for tropomyosin; and TnC, the protein encoded by this gene. The binding of calcium to TnC abolishes the inhibitory action of TnI, thus allowing the interaction of actin with myosin, the hydrolysis of ATP, and the generation of tension. Mutations in this gene are associated with cardiomyopathy dilated type 1Z. [provided by RefSeq, Oct 2008]
Function	Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	18 kDa