



TNNI3 Monoclonal Antibody

Product Code	CSB-MA079361A0m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P19429
Immunogen	Recombinant Human Cardiac Troponin I protein
Raised In	mouse
Species Reactivity	Human
Specificity	Reacts equally with free cardiac troponin I and cardiac troponin I forming complexes with other troponin components. Not affected by heparin, phosphorylation and oxidation. No cross-reactivity with skeletal muscle troponin I.
Tested Applications	ELISA
Relevance	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 acto myosin 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.
Form	liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG2b
Clonality	monoclonal
Alias	CTnI
Product Type	Monoclonal Antibody
Immunogen Species	Homo sapiens (Human)
Target Names	TNNI3
Clone No.	11D2E10
Usage	For Research Use Only. Not for use in diagnostic or therapeutic procedures.