

cTnI Ab

Cat.#: BF0362	Concn.: 1mg/ml	Mol.Wt.: 18kDa.
Size: 50ul,100ul,200ul	Source: Mouse	Clonality: Monoclonal

Application: ELISA 1/10000, WB 1/500 - 1/2000, IHC 1/200 - 1/1000

Reactivity: Human

Purification: Affinity-chromatography.

Specificity: cTnI Ab detects endogenous levels of total cTnI.

Immunogen: Purified recombinant fragment of human cTnI expressed in E. Coli.

Uniprot: P19429

Description: cTnI has an apparent molecular weight of 22.5 kDa. cTnI is a candidate marker with acceptable sensitivity and specificity for AMI and other cardiac diseases. Troponin, a molecule that binds to the thin filament (actin) of striated muscle fibers, acts with intracellular calcium to control the interaction of the thin filament with the thick filament (myosin), thus regulating muscle contraction. Troponin I prevents muscle contraction in the absence of calcium, which has two skeletal muscle isoforms with considerable amino acid sequence homology. cTnI contains an additional N-terminal sequence and is highly specific for myocardium.

Similarity: Belongs to the troponin I family.

Storage Condition and Buffer: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

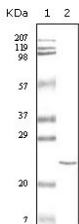


Figure 1: Western blot analysis using cTnI mouse mAb against truncated cTnI recombinant protein.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.



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