



## Mouse Anti-Cardiac Troponin C (cTnC), FITC conjugated

**Cat. Number:** V3401-FITC

**Quantity size:** 100ul

**Concentration:** 1mg/ml. Buffer = 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**Background:** Troponin I is a cardiac and skeletal muscle protein useful in the laboratory diagnosis of heart attack. Troponin I is a part of the troponin protein complex, where it binds to actin in thin myofilaments to hold the actin-tropomyosin complex in place. Because of it, myosin cannot bind actin in relaxed muscle. When calcium binds to the troponin C it causes conformational changes which lead to dislocation of troponin I and finally tropomyosin leaves the binding site for myosin on actin leading to contraction of muscle.

**Specificity:**

- Mouse Monoclonal IgG1, affinity purified by Protein G.
- Reacts with: Human
- Immunogen: Recombinant human Cardiac Troponin C

**Application:**

- Immunofluorescence: 1:20-200
- Excitation spectrum: 495nm
- Emission spectrum: 519nm
- Optimal working dilutions must be determined by the end user.
- Protect from light.

**Storage:** Shipped at 4°C, Store at -20°C (Avoid repeated freeze/thaw cycles).

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.