

Product Datasheet

Name: Mouse Anti- Cardiac Troponin C (cTnC) Monoclonal Antibody

Description: Hybridoma clones have been derived from hybridization of myeloma cells with spleen cells of BALB/c mouse immunized with recombinant human Cardiac Troponin C.

Catalog No.	Clone	Unit	Usage	Buffer
V3401	14F11K	mg	Capture	10mM PBS (pH7.4)

Specificity: Mabs react with antigen human Cardiac Troponin C

Host: Mouse

Clonality: Monoclonal

Format: Liquid

Concentration: ≥1mg/ml

Purification: ≥90% (SDS-PAGE)

Preservative: 0.1%Proclin300

Application: Recommended for sandwich immunoassays in ELISA and CLIA. Each laboratory should determine an optimum working titer for use in its particular application.

Best pairs for cTnI-C complex immunodetection (capture-detection):

Capture antibody: V3401

Detection antibody: V3201、V3402

Storage: Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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.

Note: This product as supplied is intended for research or further manufacturing use only.