



Meridian

Life Science,® Inc.

Innovative Solutions. Trusted Partner.®

5171 Wilfong Road
Memphis, TN 38134

USA

Telephone: 901-382-8716

Fax: 901-333-8223

Email: info@meridianlifescience.com

www.MeridianLifeScience.com

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: H86550M **Lot #:** 11J28617

Description: MAb to Troponin I-Cardiac
Monoclonal Antibody to Cardiac Troponin I (cTnI) (186-192 Region)

Specificity: Reacts equally with free cardiac Troponin I (cTnI) and cTnI forming complexes with other troponin components. Not affected by heparin, phosphorylation and oxidation. Recognizes an epitope located between amino acid residues 186 and 192 of cTnI. Cross-reacts with skeletal troponin I from human, rat and mouse.

Host Animal: Mouse **Isotype:** IgG_{2b}

Source: Ascites

Immunogen: Free human cardiac troponin I

Format: Purified, Liquid

Purification: >90% pure (SDS-PAGE). Protein A chromatography

Concentration: 2.2 mg/ml (OD280nm, E^{0.1}% = 1.4)

Buffer: Phosphate Buffered Saline, pH 7.4

Preservative: 0.09% Sodium azide

Applications: Troponin I immunoassay, troponin I immunoaffinity purification, and Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Store at 2–8°C

Safety Notes (s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References: The reference listed below is for research purposes only.
Krüger, M., et al., (2006), "Developmental changes in passive stiffness and myofilament Ca²⁺ sensitivity due to titin and troponin-I isoform switching are not critically triggered by birth", Am. J. Physiol. Heart Circ. Physiol., **291**: H496-H506

13Oct2017

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY