User Guide

Anti-Troponin T Antibody, Mouse Monoclonal

Clone JLT-12, Purified from Hybridoma Cell Culture

T6277

Product Description

Monoclonal Anti-Troponin T (mouse IgG1 isotype) is derived from the hybridoma produced by the fusion of mouse myeloma cells and splenocytes from an immunized mouse. Purified Troponin T from rabbit skeletal muscle was used as the immunogen.

Monoclonal Anti-Troponin T is immunospecific for Troponin T in total rabbit skeletal muscle extract as determined by an immunoblot assay. The product reacts best with alcohol-fixed, paraffin-embedded or frozen sections of rabbit skeletal muscle; however, it shows broad species cross-reactivity in immunofluorescent labeling methods.

Troponin T is a microfilament protein closely associated with actin and its microfilament accessory proteins that appear in skeletal muscle myofibrils. Troponin T has a polypeptide molecular weight of approximately 38 kDa. Troponin T and tropomyosin from skeletal muscle run close to each other in 12.5% SDS polyacrylamide gels.

Monoclonal Anti-Troponin T may be used in immunofluorescent assays to study skeletal muscle organization. It can also be used to study the membrane anchorage sites of actin.

Product Profile

The minimum working dilution of 1:200 was determined by immunoblotting using a total rabbit skeletal muscle extract.

In order to obtain best results, it is recommended that each individual user determine the optimum working dilution for their system by titration assay.

Reagents

Supplied as a solution in 0.01 M PBS, pH 7.4, containing 15 mM sodium azide as a preservative.

Precautions and Disclaimer

Due to the sodium azide content, a safety data sheet (SDS) for this product has been sent to the attention of the safety officer of your institution. Consult the SDS for information regarding hazards and safe handling practices.

Storage

For continuous use, store at 2–8 °C for up to one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify by centrifugation before use.

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