



Magic™ Anti-Troponin I monoclonal antibody, clone C2608N (DCAB-TJ204)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	No cross-reaction with skeletal muscle TnI. Recognizes an epitope 22-31 of cTnI.
Immunogen	Free Human Cardiac Troponin I
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	C2608N
Purification	> 90% pure (SDS-PAGE). Protein A Chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA 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. Recommended
Format	Purified, Liquid
Concentration	Lot Specific
Size	1 mg
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide

Storage

Store at 2-8°C.

BACKGROUND

Introduction

Troponin I is a part of the troponin complex. 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. The letter I is given due to its inhibitory character.

Keywords

Troponin C-Cardiac; Troponin I; cTnI; Cardiac Troponin I

GENE INFORMATION

Entrez Gene ID

[7137](#)

UniProt ID

[P19429](#)
