Datasheet for ABIN934719

Troponin C Protein

1 Publication

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Overview

Quantity:	100 µg
Target:	Troponin C
Origin:	Human
Source:	Human
Protein Type:	Native

Product Details

Characteristics:	Purified native Human Troponin C protein (Cardiac) Protein Source: Human cardiac tissue
Purity:	> 95 % pure

Target Details

Target:	Troponin C
Background:	Troponin C is a part of the troponin complex. It contains four calcium-binding EF hands. It is a component of thin filaments (along with actin and tropomyosin). It contains an N lobe and a C lobe. The C lobe serves a structural purpose and binds to the N domain of TnI. The C lobe can bind either Ca2+ or Mg2+. The N lobe, which binds only Ca2+, is the regulatory lobe and binds to the C domain of TnI after calcium binding. Description: Human cardiac tissue.

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.

Application Details

Restrictions:	For Research Use only

Handling

Buffer:	10 mM Na0 O4, pH 7.2, with 150 M NaCl, and 0.05 % NaN3.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Ships on dry ice. Upon receipt store at or below -25 °C

Publications

Product cited in:	Song, Han, Kim, Yang, Yoon: "A fluoro-microbead guiding chip for simple and quantifiable immunoassay of cardiac troponin I (cTnI)." in: **Biosensors & bioelectronics**, Vol. 26, Issue 9, pp. 3818-24, (2014) (PubMed).