

DATASHEET

cTnT Mouse Monoclonal Antibody(C3005)

CAT. NO. AMA02617

KEY FEATURES

Target	cTnT	Source / Host	Mouse
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB, IHC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:500
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to cTnT
Specificity	Recognizes endogenous levels of cTnT protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human cTnT expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 36 kD; Observed: 45 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Troponin T, cardiac muscle; TnTc; Cardiac muscle troponin T; cTnT
Gene Symbol	TNNT2
Entrez Gene	7139(Human); 24837(Rat)
SwissProt	P45379(Human); P50752(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

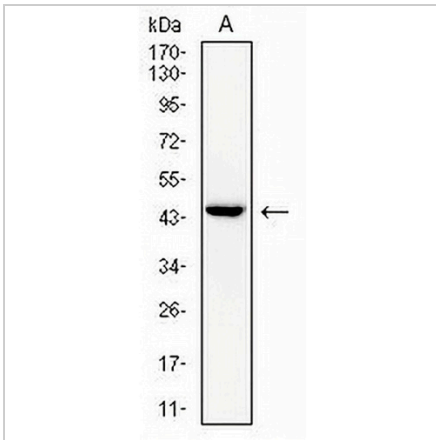
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

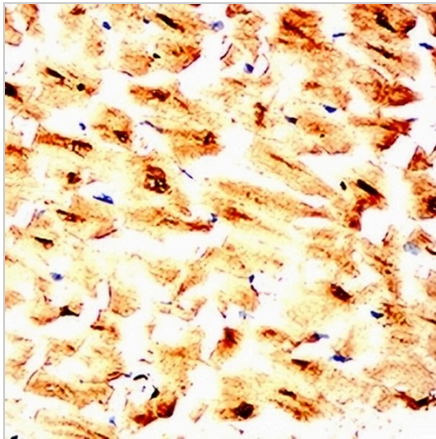
cTnT Mouse Monoclonal Antibody(C3005)

CAT. NO. AMA02617

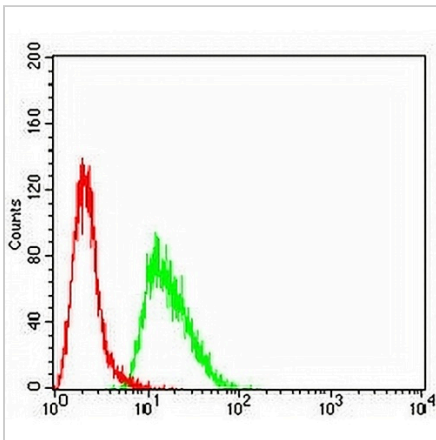
DATA



Western blot analysis of cTnT expression in mouse heart (A) whole cell lysates. (Predicted band size: 36 kD; Observed band size: 45 kD)



Immunohistochemical analysis of cTnT staining in human myocardium formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of HeLa cells using Anti-cTnT Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.