

Troponin T Monoclonal Antibody

CATALOG NO:	A1024-100
AMOUNT:	100 µg (1 mg/ml)
ALTERNATE NAMES:	cTnT, TNNT2
CLONE:	3G12
HOST/ISOTYPE:	Mouse IgG
SPECIES REACTIVITY:	Human
PURIFICATION:	Affinity purified using protein G
FORM:	Liquid
FORMULATION:	Supplied in 0.01M Tris-HCl, pH 8.0, 0.15M NaCl, and 0.02% sodium azide. Protein was determined by OD280 absorbance.
STORAGE CONDITIONS:	Store at 4°C. For long term storage, aliquot and freeze at -20°C. Avoid repeated freeze/thaw cycles.
DESCRIPTION:	The protein encoded by TNNT2 is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined.
APPLICATION:	ELISA: 1-5 µg/ml (Detection sensitivity 10 ng/ml) Immunocytochemistry: 5-10 µg/ml Western Blot

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

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