

Low Sample Volume Human Troponin T, Cardiac Muscle (TNNT2) ELISA Kit

Catalogue No.: abx574954

Low Sample Volume Human Troponin T, Cardiac Muscle (TNNT2) ELISA Kit is an ELISA Kit against Troponin T, Cardiac Muscle (TNNT2). The protein encoded by this gene 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.

This kit is specifically designed for the detection of low-volume samples.

Target: Troponin T, Cardiac Muscle (TNNT2)

Research Area: Cardiovascular Biology

Reactivity: Human

Tested Applications: ELISA

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Storage: Shipped at 4°C. Upon receipt, store the kit according to the storage instruction in the kit's manual.

Validity: The validity for this kit is at least 6 months. Up to 12 months validity can be provided on request.

Stability: The stability of the kit is determined by the rate of activity loss. The loss rate is less than 5% within the expiration date under appropriate storage conditions. To minimize performance fluctuations, operation procedures and lab conditions should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same user throughout.

UniProt Primary AC: P45379 ([UniProt](#), [ExPASy](#))

Gene Symbol: TNNT2

GeneID: [7139](#)

OMIM: [115195](#)

NCBI Accession: NP_001001432.1, NM_001001432.2

HGNC: 11949

Datasheet

Version: 1.0.0
Revision date: 07 Oct 2025



Ensembl:	ENSG00000118194
String:	9606.ENSP00000236918
Test Range:	15.6 pg/ml - 1000 pg/ml
Standard Form:	Lyophilized
Detection Method:	Colorimetric
Assay Type:	Sandwich
Assay Data:	Quantitative
Sample Type:	Serum, plasma, tissue homogenates, cell lysates, cell culture supernatants and other biological fluids.
Note:	<p>THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES.</p> <p>The range and sensitivity is subject to change. Please contact us for the latest product information. For accurate results, sample concentrations must be diluted to mid-range of the kit. If you require a specific range, please contact us in advance or write your request in your order comments. Please note that our kits are optimised for detection of native samples, rather than recombinant proteins. We are unable to guarantee detection of recombinant proteins, as they may have different sequences or tertiary structures to the native protein.</p>