

## ARG82897 Monkey Cardiac Troponin T ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG82897 Monkey Cardiac Troponin T ELISA Kit is an Enzyme Immunoassay kit for the quantification of Monkey Cardiac Troponin T in serum, plasma and cell culture supernatants.
Tested Reactivity	Mk
Tested Application	ELISA
Specificity	The following recombinant Monkey proteins were tested and exhibited no cross-reactivity or interference: Adiponectin, ApoA1, BMP1, BMP2, BMP3, BMP4, BMP5, BMP7, CCL2, CCL4, CCL5, CRP, HGF, HSP27, IL-1 $\beta$ , IL-1RA, IL-1 $\alpha$ , IL-1 RI, IL-2, IL-4, IL-5, IL-6, IL-6R, IL-8, IL-12, IL-13, IL-15, IL-17C, IL-21, IL-23, IFN $\beta$ , IFN- $\gamma$ , PDGF, PLA2G7, prolactin, serpin E1, TGF $\beta$ 1, TGF $\beta$ 2, TGF $\beta$ 3, TLR1, TLR2, TL3, TLR9, TNF- $\alpha$ , TNF RI, TNF RII, VEGF, VEGF R1.
Target Name	Cardiac Troponin T
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	62 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	125 - 8000 pg/ml
Sample Volume	100 $\mu$ l
Precision	Intra-Assay CV: 5% Inter-Assay CV: 8%
Alternate Names	RCM3; CMPD2; LVNC6; TnTC; TnTc; CMH2; cTnT; Cardiac muscle troponin T; CMD1D; Troponin T, cardiac muscle

### Application Instructions

Assay Time	~ 3 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

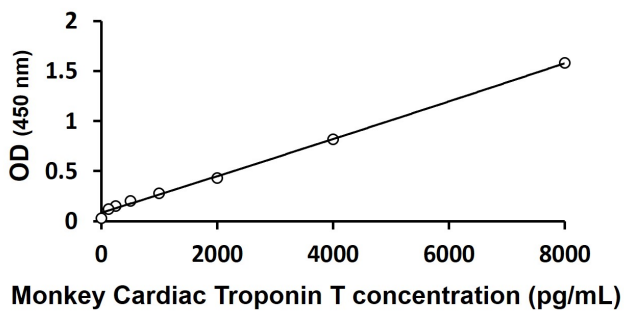
### Bioinformation

Gene Symbol	TNNT2
Gene Full Name	troponin T type 2 (cardiac)

<b>Background</b>	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. [provided by RefSeq, Jul 2008]
<b>Function</b>	Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity. [UniProt]
<b>Highlight</b>	Related products: <a href="#">Troponin antibodies</a> ; <a href="#">Troponin ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
<b>PTM</b>	Phosphorylation at Thr-213 by PRKCA induces significant reduction in myofilament calcium sensitivity and actomyosin ATPase activity. [UniProt]

## Images

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ARG82897 Monkey Cardiac Troponin T ELISA Kit results of a typical standard run with optical density reading at 450 nm.