

# Product Datasheet

## Human Troponin I Type 3 (cardiac) ELISA Kit (Colorimetric)

**KA0233**

Unit Size: 1 Kit

Store at 4°C.

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**KA0233****Human Troponin I Type 3 (cardiac) ELISA Kit (Colorimetric)****Product Information**

<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4°C.

**Product Description**

<b>Description</b>	Quality control test: Standard curve. Troponin I (Human) ELISA Kit is an enzyme immunoassay for the quantitative measurement of troponin I.
<b>Gene ID</b>	7137
<b>Gene Symbol</b>	TNNI3
<b>Species</b>	Human
<b>Kit Components</b>	Component, Antibody-Coated Wells: Microtiter wells coated with mouse monoclonal anti-TnI., Reference Standard Set: Contains 0, 2.0, 7.5, 30, and 75 ng/ml TnI, lyophilized., cTnI Enzyme Conjugate Reagent: Contains mouse monoclonal anti-TnI conjugated to horseradish peroxidase in Tris Buffer-BSA solution with preservatives, TMB Reagent: Contains one-step TMB solution., Stop Solution: Contains diluted hydrochloric acid (1N HCl)
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	0 to 75 ng/mL
<b>Sensitivity</b>	1 ng/mL
<b>Inter Assay</b>	CV% < 5.04%
<b>Intra Assay</b>	CV% < 3.78%
<b>Assay Type</b>	Sandwich ELISA
<b>Suitable Sample Type</b>	Serum
<b>Sample Volume</b>	100 uL

**Product Application Details**

<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA
<b>Application Notes</b>	Useful for quantification.

## Publications

Zhao L, Zhang B. Doxorubicin induces cardiotoxicity through upregulation of death receptors mediated apoptosis in cardiomyocytes. *Sci Rep* 2017-03-16 [PMID: 28300219]

Wang S, He W, Wang C. MiR-23a regulate the vasculogenesis of coronary artery disease by targeting EGFR. *Cardiovasc Ther* 2016-04-17 [PMID: 27085964]

Long G, Wang F, Duan Q et al. Circulating miR-30a, miR-195 and let-7b Associated with Acute Myocardial Infarction *PLoS One*. 2012-12-07 [PMID: 23236408]

Wang F, Long G, Zhao C et al. Plasma microRNA-133a is a new marker for both acute myocardial infarction and underlying coronary artery stenosis. *J Transl Med*. 2013-09-23 [PMID: 24053180]

Doherty KR, Talbert DR, Trusk PB et al. Structural and functional screening in human induced-pluripotent stem cell-derived cardiomyocytes accurately identifies cardiotoxicity of multiple drug types. *Toxicol Appl Pharmacol*. 2015-04-02 [PMID: 25841593]

Lagerqvist EL, Finnin BA, Elliott DA et al. Comparing mouse and human pluripotent stem cell derived cardiac cells: Both systems have advantages for pharmacological and toxicological screening. *J Pharmacol Toxicol Methods*. 2015-05-06 [PMID: 25957031]



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## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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