Human TNNC1 Antibody Pair Set

Catalog No. E-KAB-0546 **Applications** ELISA
Synonyms ctnC;DDB_G0276479;Countin-3

Kit components & Storage

Title	Specifications	Storage
Human TNNC1 Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human TNNC1 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0546)	
		Human TNNC1 Capture Antibody	Human TNNC1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human TNNC1 protien	Recombinant Human TNNC1 protien
	Swissprot	NP_003271.1	
Product details	Reactivity	Human	Human
	Host	Rabbit	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Protein A or G
	Specificity	Detects Human TNNC1 in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
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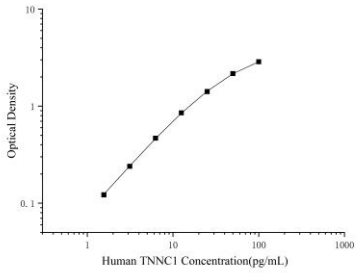
Applications

Human TNNC1 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human TNNC1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human TNNC1 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Troponin (Tn) is a regulatory protein of muscle contraction. It is located on the fine myofilaments of the contractile protein and plays an important regulatory role in the process of muscle contraction and relaxation. It contains three subtypes: fast response , slow response and cardiac troponin (cTn) . The first two are associated with skeletal muscle , while cardiac troponin is found only in cardiomyocytes and is a complex composed of three subunits: troponin T (cTn) , troponin I (cTnI) , and troponin C (cTnC) . cTnT and cTnI are antigens specific to cardiomyocytes that degrade from myocardial fibers when cardiomyocytes are damaged. The increase of cTn in serum reflects the damage of cardiomyocytes , and its specificity and sensitivity are higher than those of the commonly used myocardial enzyme profiles.

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