

Human TNNI3/cTn-I Antibody Pair Set

Catalog No.	E-KAB-0128	Applications	ELISA
Synonyms	TNNC1, cTnI, CMD1FF, CMD2A, CMH7, RCM1		

Kit components & Storage

Title	Specifications	Storage
Human TNNI3/cTn-I Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human TNNI3/cTn-I 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.

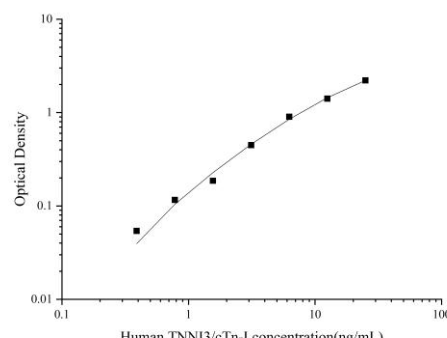
Product Information

Items		Characteristic (E-KAB-0128)	
		Human TNNI3/cTn-I Capture Antibody	Human TNNI3/cTn-I Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human TNNI3/cTn-I protein	Recombinant Human TNNI3/cTn-I protein
	Swissprot	P19429	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Protein A or G
Specificity		Detects Human TNNI3/cTn-I in ELISAs.	

For Research Use Only

Applications

Human TNNI3/cTn-I Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4μg/mL	Human TNNI3/cTn-I Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human TNNI3/cTn-I concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.5</td><td>0.05</td></tr><tr><td>1</td><td>0.1</td></tr><tr><td>2</td><td>0.2</td></tr><tr><td>5</td><td>0.5</td></tr><tr><td>10</td><td>1.0</td></tr><tr><td>20</td><td>2.0</td></tr><tr><td>50</td><td>5.0</td></tr></tbody></table>	Human TNNI3/cTn-I concentration (ng/mL)	Optical Density	0.5	0.05	1	0.1	2	0.2	5	0.5	10	1.0	20	2.0	50	5.0
Human TNNI3/cTn-I concentration (ng/mL)	Optical Density																		
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50	5.0																		
ELISA Detection	1:1000-1:10000	Human TNNI3/cTn-I Detection Antibody (Biotin)																	

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

Background

Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity