

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°C for one year. Avoid freeze / thaw cycles.
Human TNNI3/cTn-I Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

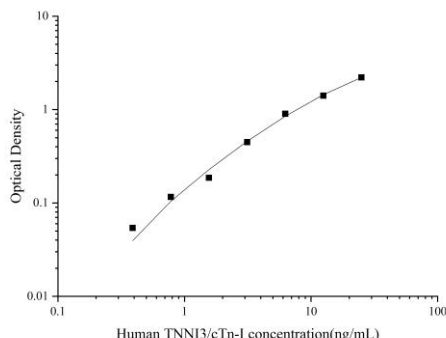
Note: Centrifuge before opening to ensure complete recovery of vial contents.

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.	

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 border="1"> <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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5	0.5																		
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20	2.0																		
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