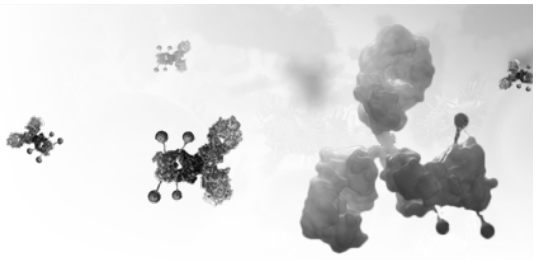

Anti-Human cTnI (86-90 aa) chimeric Antibody (CABT-L1128)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This is a full length recombinant chimeric antibodies produced in CHO cells. The use of chimeric antibodies can avoide interference from heterophilic such as human anti-mouse antibodies (HAMA).
Specificity	This is a recombinant chimeric full length antibody consisting of the variable domains from the mouse antibody and the constant domains from the human antibody. This antibody reacts equally with free cardiac troponin I (cTnI) and cTnI forming complexes with other troponin components. Not affected by heparin, phosphorylation, oxidation and troponin complex formation. Recognizes an epitope located between amino acid residues 86 and 90 of cTnI. No cross-reactivity with skeletal muscle troponin I. Reactive with cTnI from human, bovine, porcine, goat, canine, rabbit, and feline. Not reactive with cTnI from rat, mouse or fish.
Target	Human Cardiac Troponin I (cTnI) (86-90 Region)
Immunogen	Native Troponin Complex.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Bovine, Porcine, Goat, Canine, Rabbit, Feline
Purification	> 95% pure (SDS-PAGE). Protein A Chromatography
Conjugate	Unconjugated
Applications	ELISA, IP, WB
Format	Liquid
Buffer	Phosphate Buffered Saline, pH 7.4

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Preservative	0.09% Sodium Azide
Storage	Store at 2–8°C.

BACKGROUND

Introduction	This antibody is a recombinant chimeric full length antibody consisting of the variable domains from the mouse antibody and the constant domains from the human antibody. The use of chimeric antibodies can avoide interference from heterophilic such as human anti-mouse antibodies (HAMA). Troponin I, also known as TNI, is a 24-29 kDa component of a protein complex on striated muscle thin filaments. Troponin I inhibits the calcium-dependent muscle contraction mediated by Troponins C and T. The expression of cardiac Troponin I (TNNI3) is restricted to cardiac muscle, while TNNI1 and TNNI2 (encoded by distinct genes) are expressed in skeletal muscle. Mutations of cardiac Troponin I are associated with heriditary cardiomyopathy. Human cardiac Troponin I shares 93% amino acid sequence identity with mouse and rat cardiac Troponin I.
Keywords	TNNI3;troponin I type 3 (cardiac);CMH7;RCM1;cTnI;CMD2A;TNNC1;MGC116817;troponin I, cardiac;Troponin I, cardiac muscle;Cardiac troponin I;familial hypertrophic cardiomyopathy 7

GENE INFORMATION

Entrez Gene ID	7137
UniProt ID	P19429

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