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Anti-Cardiac Troponin I Rabbit mAb [26E83]

Catalog No.: A52350

Basic Information

Catalog No. (Cat.No.)	A52350
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Cardiac Troponin I,cTnI,Cardiac muscle troponin I

Product Information

Target	Cardiac Troponin I
Molecular Weight(Calculated)	24 kDa
Molecular Weight(Observed)	24 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	26E83
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Cardiac troponin-I
Gene Name	*TNNI3*
Domain	NA
Background	TNNI3 (Cardiac Troponin I, cTnI) is cardiac-muscle-specific troponin-I isoform controlling myocardial sarcomere contraction. cTnI is exclusively expressed in cardiomyocytes. Upon calcium binding to troponin complex, cTnI-mediated inhibition of actin-myosin interaction is relieved to enable myocardial contraction. Cardiomyocyte injury or necrosis releases cTnI into circulation, serving as gold-standard clinical biomarker for myocardial damage and myocardial infarction.