

Rabbit anti-Human cTnI mAb (CAP)

Catalog No.: RM17653

Basic Information

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RM17653

Catagory
Elisa Antibody Kit

Application
multiplex assay

Product Information

Ig Type
Rabbit IgG


Purification
Affinity purification


Endotoxin Level

Storage
Store at -20°C. Avoid freeze / thaw cycles. Preservative 0.05%ProClin 300.
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.1%Braveds MB-1,PH 7.4.

Contact

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Background

Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in this gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM). Troponin I is useful in making a diagnosis of heart failure, and of ischemic heart disease. An elevated level of troponin is also now used as indicator of acute myocardial injury in patients hospitalized with moderate/severe Coronavirus Disease 2019 (COVID-19). Such elevation has also been associated with higher risk of mortality in cardiovascular disease patients hospitalized due to COVID-19.

Immunogen Information

Immunogen
Nature Human cTnI Protein

Cross-Reactivity

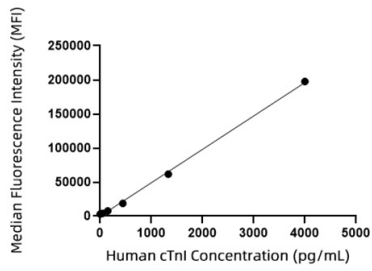
No cross-reactivity in multiplex assay with analogues.

Assay Applications

Human cTnI multiplex assay

	Recommended Concentration	Sample
Capture	6ug/106	Rabbit anti-Human cTnI mAb (CAP)(Cat. No. RM17653)
Detection	0.25-1ug/ml	Rabbit anti-Human cTnI mAb (DET)(Cat. No. RM17654)
Standard	5.5-4000pg/mL	Nature Human cTnI Protein

Validation Data



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