Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human cTnI mAb(CAP□

Catalog No.: RMK0028

Basic Information

Catalog No.
RMK0028

Catagory
Elisa Antibody Kit

Application
Multiplex,CLIA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
/

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2 μm filtered solution in PBS with 0.05% Proclin 300, pH 7.3.

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
Synthetic peptide corresponding to human cTnI

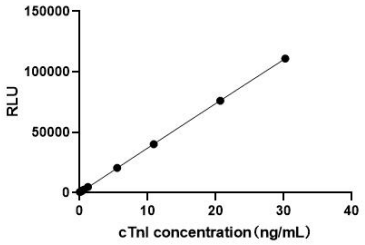
Cross-Reactivity

Assay Applications

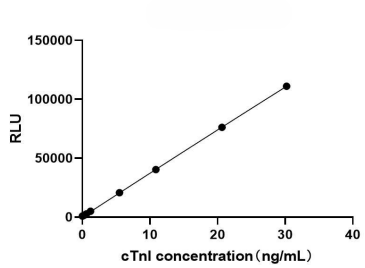
Human cTnI CLIA

	Recommended Concentration	Sample
CLIA Capture	1-4 μg/mL	Rabbit anti-Human cTnI mAb (Cat. No. RMK0028)
CLIA Detection	0.5-2 μg/mL	Rabbit anti-Human cTnI mAb (Cat. No. RMK0029)
Standard	0.22-30 ng/mL	Recombinant Human cTnI Protein

Validation Data



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



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