

For Research Use Only

CoraLite® Plus 488-conjugated Cardiac Troponin I Recombinant monoclonal antibody

Catalog Number: CL488-86791



Basic Information

Catalog Number: CL488-86791	GenBank Accession Number: BC096165	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 7137	CloneNo.: 251696H7
Isotype: IgG	UNIPROT ID: P19429	Recommended Dilutions: IF-P: 1:50-1:500
Immunogen Catalog Number: AG16365	Full Name: troponin I type 3 (cardiac)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 210 aa, 24 kDa	
	Observed MW: 24-26 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse heart tissue,
Species Specificity: human, mouse, rat	

Background Information

Troponin I (TnI) is the inhibitory subunit of troponin, the structural protein involved in the regulation of striated muscle contraction. Cardiac Troponin I (cTnI) is produced by cardiac muscle. cTnI has been considered as one of the most specific and sensitive markers of myocardial damage like acute myocardial infarction (AMI) for decades. Detection of cTnI in serum is widely accepted as a diagnostic tool in acute coronary syndromes.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

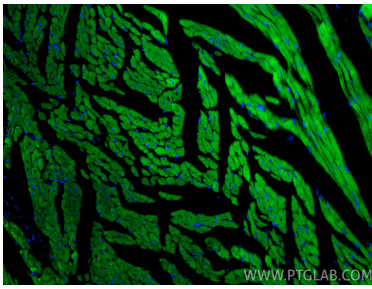
T: 4006900926

E: Proteintech-CN@ptglab.com

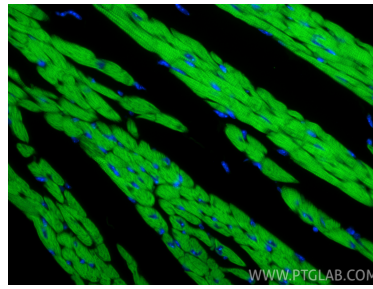
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using CoraLite® Plus 488 Cardiac Troponin I antibody (CL488-86791, Clone: 251696H7) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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