

For Research Use Only

CoraLite® Plus 647-conjugated Cardiac Troponin T Monoclonal antibody

Catalog Number: CL647-68300



Basic Information

Catalog Number:

CL647-68300

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7716

GenBank Accession Number:

BC002653

GeneID (NCBI):

7139

UNIPROT ID:

P45379

Full Name:

troponin T type 2 (cardiac)

Calculated MW:

36 kDa

Observed MW:

34-40 kDa

Purification Method:

Protein G purification

CloneNo.:

4E2D8

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

IF-P, ELISA

Species Specificity:

human, mouse, rat, pig, rabbit, chicken

Positive Controls:

IF-P: mouse heart tissue,

Background Information

Cardiac Troponin T, also named as cTnT, TNNT2. This gene encodes the cardiac isoform of troponin T. The encoded protein is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Cardiac Troponin T can be detected as about 34-40 kDa.

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:

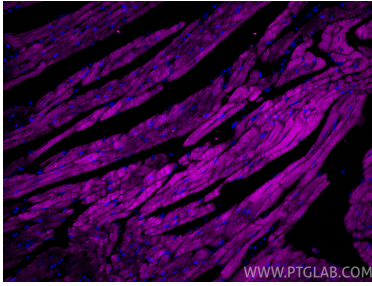
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using CoraLite® Plus 647 Cardiac Troponin T antibody (CL647-68300, Clone: 4E2D8) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).