

For Research Use Only

# Cardiac Troponin I Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP03132-2

## Capture Antibody Information

Catalog Number:  
86791-3-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
251696A4

Reactivity:  
human

GenBank:  
BC096165

Immunogen Catalog Number:  
Ag16365

Conjugate:  
Unconjugated

Full name:  
troponin I type 3 (cardiac)

Gene ID:  
7137

## Detection Antibody Information

Catalog Number:  
86791-4-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
251696C2

Reactivity:  
human

GenBank:  
BC096165

Immunogen Catalog Number:  
Ag16365

Conjugate:  
Unconjugated

Full name:  
troponin I type 3 (cardiac)

Gene ID:  
7137

## Applications

Tested Applications:  
Sandwich ELISA

Range:  
0.313-10 ng/mL (Sandwich ELISA)

Recommended Dilutions:  
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP03132-2 targets Cardiac Troponin I in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Cardiac Troponin I Recombinant monoclonal antibody, PBS Only (Capture) 86791-3-PBS (251696A4). 100  $\mu$ g. Concentration 1 mg/mL.

Detection antibody: Cardiac Troponin I Recombinant monoclonal antibody, PBS Only (Detector) 86791-4-PBS (251696C2). 100  $\mu$ g. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage buffer:

PBS only

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

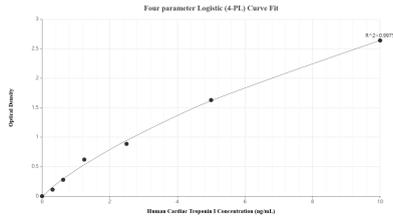
T: 4006900926

E: Proteintech-CN@ptgcn.com

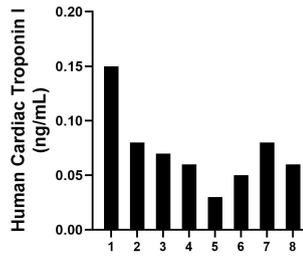
W: ptgcn.com

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

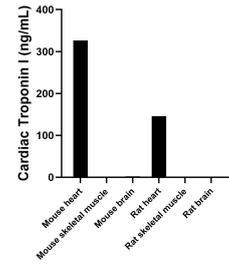
## Selected Validation Data



Sandwich ELISA standard curve of MP03132-2, Human Cardiac Troponin I Recombinant Matched Antibody Pair - PBS only. 86791-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag16365. 86791-4-PBS was HRP conjugated as the detection antibody. Range: 0.313-10 ng/mL



Serum of eight individual healthy human donors was measured. The Cardiac Troponin I concentration of detected samples was determined to be 0.07 ng/mL with a range of 0.03-0.15 ng/mL



The mean Cardiac Troponin I concentration was determined to be 326.50 ng/mL in mouse heart tissue extract based on a 5.40 mg/mL extract load, 1.17 ng/mL in mouse skeletal muscle tissue extract based on a 4.10 mg/mL extract load, 2.16 ng/mL in mouse brain tissue extract based on a 6.30 mg/mL extract load, 145.92 ng/mL in rat heart tissue extract based on a 6.70 mg/mL extract load, 1.25 ng/mL in rat skeletal muscle tissue extract based on a 4.70 mg/mL extract load and 1.47 ng/mL in rat