

For Research Use Only

# Cardiac Troponin T Recombinant Matched Antibody Pair, PBS Only



Catalog Number: **MP03143-1**

## Capture Antibody Information

Catalog Number:	81638-6-PBS	Clone ID:	250230H5
Host:	Rabbit	Reactivity:	human
Isotype:	IgG	GenBank:	BC002653
Purification Method:	Protein A purification	Immunogen Catalog Number:	Ag7716

## Detection Antibody Information

Catalog Number:	81638-2-PBS	Clone ID:	250230E1
Host:	Rabbit	Reactivity:	human
Isotype:	IgG	GenBank:	BC002653
Purification Method:	Protein A purification	Immunogen Catalog Number:	Ag7716

## Applications

Tested Applications:	Range:	Recommended Dilutions:
Sandwich ELISA	0.313-20 ng/mL (Sandwich ELISA)	It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP03143-1 targets Cardiac Troponin T in immunoassays as a matched antibody pair. Validated in Sandwich ELISA. Capture antibody: cTnT Recombinant monoclonal antibody, PBS Only (Capture) 81638-6-PBS (250230H5). 100  $\mu$ g. Concentration 1 mg/ml. Detection antibody: cTnT Recombinant monoclonal antibody, PBS Only (Detector) 81638-2-PBS (250230E1). 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

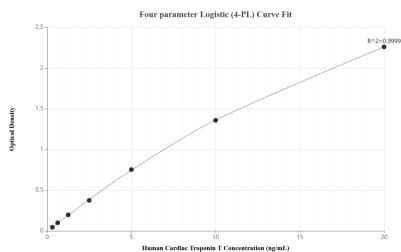
Storage:  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C.  
Storage buffer:  
PBS only

For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com

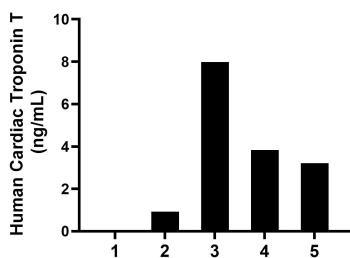
W: [ptgcn.com](http://www.ptgcn.com)

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

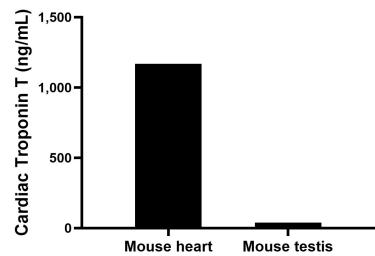
## Selected Validation Data



Sandwich ELISA standard curve of MP03143-1, Human Cardiac Troponin T Recombinant Matched Antibody Pair - PBS only. 81638-6-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag7716. 81638-2-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



Plasma of five individual healthy human donors was measured. The Cardiac Troponin T concentration of detected samples was determined to be 3.99 ng/mL with a range of ND-7.98 ng/mL.



The mean Cardiac Troponin T concentration was determined to be 1,168.00 ng/mL in mouse heart extract based on a 5.40 mg/mL extract load and 39.40 ng/mL in mouse testis extract based on a 1.10 mg/mL extract load.