

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

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
250230H5

Reactivity:
human

Immunogen Catalog Number:
Ag7716

Conjugate:
Unconjugated

Full name:
troponin T type 2 (cardiac)

Gene ID:
7139

Detection Antibody Information

Catalog Number:
81638-2-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
250230E1

Reactivity:
human

GenBank:
BC002653

Immunogen Catalog Number:
Ag7716

Conjugate:
Unconjugated

Full name:
troponin T type 2 (cardiac)

Gene ID:
7139

Applications

Tested Applications:
Sandwich ELISA

Range:
0.313-20 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

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 µg. Concentration 1 mg/mL.

Detection antibody: cTnT Recombinant monoclonal antibody, PBS Only (Detector) 81638-2-PBS (250230E1). 100 µg. 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.
Storage buffer:
PBS only

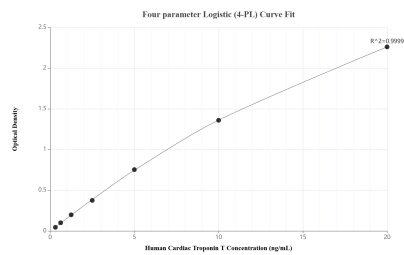
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

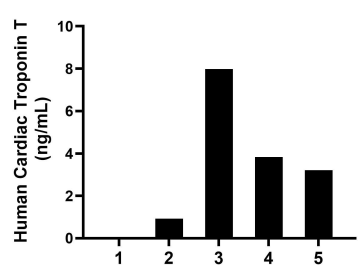
E: proteintech@ptglab.com
W: ptglab.com

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

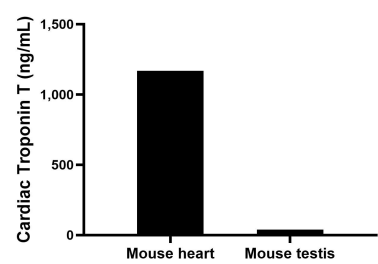
Selected Validation Data



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.