

Cardiac Troponin T Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03143-1**

Capture Antibody Information

Catalog Number: 81638-6-PBS	Clone ID: 250230H5	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: troponin T type 2 (cardiac)
Isotype: IgG	GenBank: BC002653	Gene ID: 7139
Purification Method: Protein A purification	Immunogen Catalog Number: Ag7716	

Detection Antibody Information

Catalog Number: 81638-2-PBS	Clone ID: 250230E1	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: troponin T type 2 (cardiac)
Isotype: IgG	GenBank: BC002653	Gene ID: 7139
Purification Method: Protein A purification	Immunogen Catalog Number: Ag7716	

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.
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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.

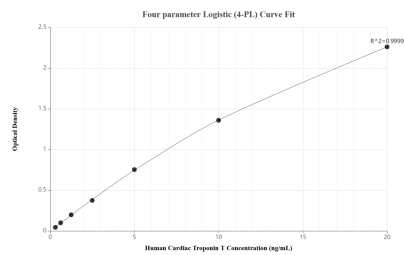
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

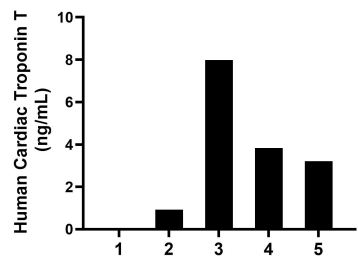
Storage

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

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.