

For Research Use Only

# Cardiac Troponin I Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 86791-4-PBS



## Basic Information

<b>Catalog Number:</b> 86791-4-PBS	<b>GenBank Accession Number:</b> BC096165	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7137	<b>CloneNo.:</b> 251696C2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P19429	
<b>Isotype:</b> IgG	<b>Full Name:</b> troponin I type 3 (cardiac)	
<b>Immunogen Catalog Number:</b> AG16365	<b>Calculated MW:</b> 210 aa, 24 kDa	

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
human

## Product Information

86791-4-PBS targets Cardiac Troponin I as part of a matched antibody pair:

MP03132-2: 86791-3-PBS capture and 86791-4-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) 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.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

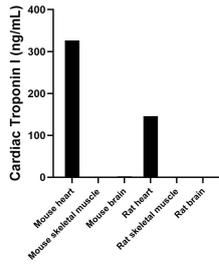
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

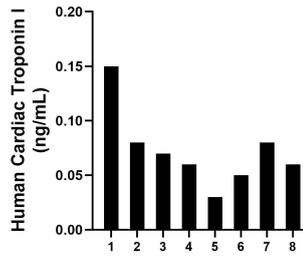
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

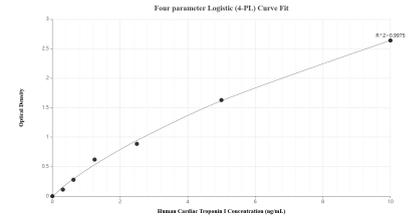
## Selected Validation Data



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



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.



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