For Research Use Only

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

Catalog Number:86791-4-PBS

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## Basic Information

Catalog Number:
86791-4-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG16365

GenBank Accession Number:
BC096165

GeneID (NCBI):
7137

UNIPROT ID:
P19429

Full Name:
troponin I type 3 (cardiac)

Calculated MW:
210 aa, 24 kDa

Purification Method:
Protein A purification

CloneNo.:
251696C2

## Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

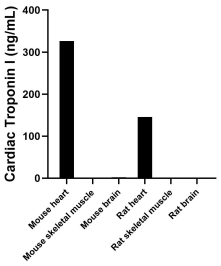
Species Specificity:
human

## Background Information

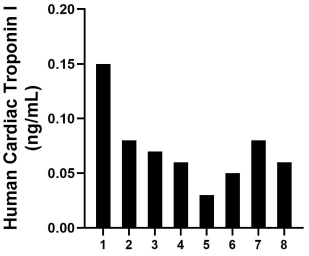
## Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

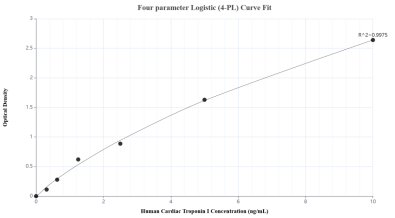
## Selected Validation Data




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 extract load and 1.47 ng/mL in rat




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.