

For Research Use Only



# Rat C-Reactive Protein/CRP Recombinant Matched Antibody Pair, PBS Only

Catalog Number:MP00692-2

## Capture Antibody Information

Catalog Number:

83741-5-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

240759E4

Reactivity:

rat

Conjugate:

Unconjugated

Full name:

C-reactive protein, pentraxin-related

Gene ID:

25419

## Detection Antibody Information

Catalog Number:

83741-4-PBS

Host:

Rabbit

Isotype:

IgG

Purification Method:

Protein A purification

Clone ID:

240759F6

Reactivity:

rat

GenBank:

NM\_017096.3

Conjugate:

Unconjugated

Full name:

C-reactive protein, pentraxin-related

Gene ID:

25419

## Applications

Tested Applications:

Sandwich ELISA

Range:

39.1-2500 pg/mL (Sandwich ELISA)

Recommended Dilutions:

It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP00692-2 targets C-Reactive Protein/CRP in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Rat C-reactive protein Recombinant antibody, PBS Only (Capture) 83741-5-PBS (240759E4). 100 µg. Concentration 1 mg/ml.

Detection antibody: Rat C-reactive protein Recombinant antibody, PBS Only (Detector) 83741-4-PBS (240759F6). 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:

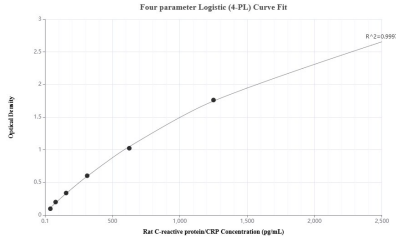
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

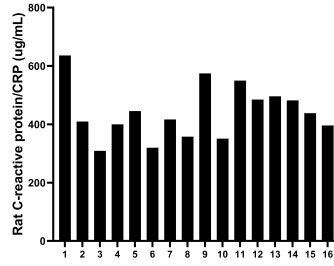
W: [ptglab.com](http://ptglab.com)

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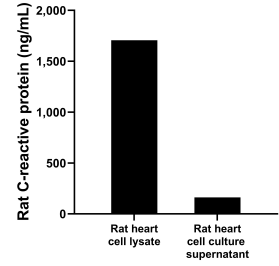
## Selected Validation Data



Sandwich ELISA standard curve of MP00692-2, Rat C-reactive protein/CRP Recombinant Matched Antibody Pair - PBS only. 83741-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0942. 83741-4-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



Serum of sixteen rats was measured. The rat C-reactive protein/CRP concentration of detected samples was determined to be 441.8 ug/mL with a range of 309.02 - 635.99 ug/mL.



Rat heart, cut into 1-2 mm pieces, was cultured in 25-30 mL of RPMI supplemented with 10% fetal bovine serum. The cell culture supernatant was removed, assayed for rat C-reactive protein, and measured 161.65 ng/mL. Cells were lysed, assayed for rat C-reactive protein, and measured 1,706.0465 ng/mL.