

For Research Use Only

C-Reactive Protein/CRP Recombinant antibody

Catalog Number: 83711-1-RR



Basic Information

Catalog Number:

83711-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_007768

GeneID (NCBI):

12944

UNIPROT ID:

P14847

Full Name:

C-reactive protein, pentraxin-related

Observed MW:

25-28 kDa

Purification Method:

Protein A purification

CloneNo.:

240369B10

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : mouse serum,

Background Information

C-reactive protein (CRP) is an acute-phase serum protein synthesized by the liver in response to interleukin-6 (IL-6) during inflammation. The name CRP derives from its ability to react with the C polysaccharide of *Streptococcus pneumoniae*. CRP is an annular, pentameric protein belonging to the pentraxin family. CRP displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis, and complement fixation through its calcium-dependent binding to phosphorylcholine. It is used mainly as a marker of inflammation. This antibody is specific for mouse Crp.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

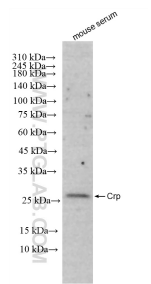
T: 4006900926

E: Proteintech-CN@ptglab.com

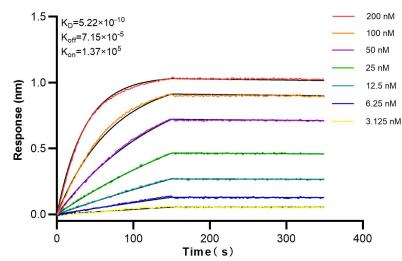
W: ptgcn.com

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

Selected Validation Data



mouse serum were subjected to SDS PAGE followed by western blot with 83711-1-RR (C-Reactive Protein/CRP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83711-1-RR against Mouse Crp were performed. The affinity constant is 0.522 nM.