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Rabbit anti-Rat CRP mAb(DET)

Catalog No.: RMK0192

Basic Information

Catalog No.
RMK0192

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2 μm filtered solution in PBS with 0.05% Proclin 300, PH 7.4.

Contact

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Background

C-Reactive Protein (CRP), also known as Pentraxin 1, is a secreted pentameric protein that functions as a sensor and activator for the innate immune response. In humans, it is a major acute-phase protein; its circulating concentration is dramatically elevated at the onset of inflammation. In mice, however, serum CRP levels increase only slightly during inflammation, and the analogous acute phase role is filled by Pentraxin 2. CRP binds, opsonizes, and induces the phagocytosis of bacteria and apoptotic cells. It regulates activation of the classical complement pathway by binding several proteins in the complement cascade as well as Fc gamma RI, Fc gamma RIIA, and Fc gamma RIIB on macrophages and dendritic cells. It also promotes dendritic cell maturation and humoral immunity. In cardiovascular disease, CRP binds to oxidized LDL, exacerbates tissue damage in myocardial infarction, and inhibits the repair of injured vascular endothelium.

Immunogen Information

Immunogen
Recombinant rat CRP

Cross-Reactivity

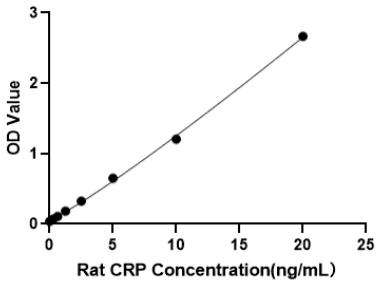
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Assay Applications

Rat CRP Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4 μg/mL	Rabbit anti-Rat CRP mAb(CAP)(Cat. No. RMK0191)
ELISA Detection	0.0375-0.15 μg/mL	Rabbit anti-Rat CRP mAb(DET)(Cat. No. RMK0192)
Standard	0.312-20 ng/mL	Recombinant Rat CRP Protein (Cat. No. RP01072)

Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.