Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Rabbit anti-Human CRP mAb (DET)

Catalog No.: RM17642

Basic Information

Catalog No.
RM17642

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
N/A

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 7.3.

Contact

order@abclonal.com

support@abclonal.com

www.abclonal.com

Background

The protein encoded by this gene belongs to the pentraxin family which also includes serum amyloid P component protein and pentraxin 3. Pentraxins are involved in complement activation and amplification via communication with complement initiation pattern recognition molecules, but also complement regulation via recruitment of complement regulators. The encoded protein has a calcium dependent ligand binding domain with a distinctive flattened beta-jellyroll structure. It exists in two forms as either a pentamer in circulation or as a nonsoluble monomer in tissues. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood. Consequently, the level of this protein in plasma increases greatly during acute phase response to tissue injury, infection, or other inflammatory stimuli. Elevated expression of the encoded protein is associated with severe acute res...

Immunogen Information

Immunogen
Recombinant Human CRP Protein
Phe17-Pro224
Accession #P02741

Cross-Reactivity

No cross-reactivity in ELISA with recombinant hFicolin-1,rCRP,mCRP

Assay Applications

Human CRP Sanwich Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.5-2 μg/mL	Rabbit anti-Human CRP mAb (Cat. No. RM17641)
ELISA Detection	0.05-0.2 μg/mL	Rabbit anti-Human CRP mAb (Cat. No. RM17642)
Standard	39-2500 pg/mL	Recombinant Human CRP Protein (Cat. No. RM00337)