Purified Mouse Anti-Human CRP
Monoclonal Antibody

CLX362AP
Lot: 
Size: 0.1 mg
Clone: C6
Isotype: Mouse IgG2a
Specificity: The antibody C6 recognizes human CRP, an 117 kDa acute phase protein; it recognizes the antigen both in the presence and in the absence (samples containing EDTA) of Ca2+.
Immunogen: Purified human CRP
Species Reactivity: Human
Application: ELISA
The antibody C6 has been tested as the detection antibody in a sandwich ELISA for analysis of human C-Reactive Protein in combination with the antibody C2 (cat. no. 11-537-C100).
Purity: > 95% (by SDS-PAGE)
Purification: Purified from ascites by protein-A affinity chromatography.
Concentration: 1 mg/ml
Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability: Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

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Background: The C-reactive protein (CRP) is a cyclic pentameric pentraxin family acute phase protein compound of five identical noncovalently bound nonglycosylated subunits (each subunit 24 kDa; physiologic CRP molecule 117.5 kDa). CRP is produced by the liver and its plasma levels rise dramatically during inflammatory processes occurring in the body. CRP is an initiator of classical complement cascade, binds to several nuclear components (chromatin, histones, etc.) and is also believed to play an important role in innate immunity. Patients with elevated basal levels of CRP are at increased risk for hypertension and cardiovascular disease.


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