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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.

References:

*Meyer MH, Hartmann M, Krause HJ, Blankenstein G, Mueller-Chorus B, Oster J, Miethe P, Keusgen M: CRP determination based on a novel magnetic biosensor. Biosens Bioelectron. 2007 Jan 15;22(6):973-9. *van der Harst P, Voors AA, Volbeda M, Buikema H, van Veldhuisen DJ, van Gilst WH: Usefulness of preoperative C-reactive protein and soluble intercellular adhesion molecule-1 level for predicting future cardiovascular events after coronary artery bypass grafting. Am J Cardiol. 2006 Jun 15;97(12):1697-701.

This product is made available in collaboration with Exbio Praha, a.s.

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