**Monoclonal Antibody to CRP**  
Purified Antibody (0.1 mg)

**Clone:** C5  
**Isotype:** Mouse IgG2a  
**Specificity:** The antibody C5 recognizes human CRP, an 117 kDa plasma acute phase protein; it recognizes antigen both in the presence and in the absence (samples containing EDTA) of Ca2+.

**Regulatory Status:** RUO  
**Immunogen:** Purified human CRP  
**Species Reactivity:** Human  
**Application:** ELISA  
The antibody C5 has been tested as the capture antibody in a sandwich ELISA for analysis of human C-Reactive Protein in combination with the antibody C7 (cat. no. 1B-484-C100).

**Purity:** > 95% (by SDS-PAGE)  
**Purification:** Purified 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 freeze. Do not use after expiration date stamped on vial label.

**Expiration:** See vial label  
**Lot Number:** See vial label  
**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:**  
Unless indicated otherwise, all products are For Research Use Only and not for diagnostic or therapeutic use. Not for resale or transfer either as a stand-alone product or as a component of another product without written consent of EXBIO. EXBIO will not be held responsible for patent infringement or other violations that may occur with the use of our products. All orders are accepted subject to EXBIO’s term and conditions which are available at www.exbio.cz.