



## ANOGEN - A Division of YES Biotech Laboratories Ltd.

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### Mouse Anti-Human CRP Monoclonal Antibody Datasheet

**Product Name:** mAb anti-human CRP

**Clone No.:** 63F4

**Catalogue No.:** MO-M40023A

**Quantity:** 0.5 mg/vial

**Description:** Mouse monoclonal antibody to human C reactive protein (CRP)

**Purification:** Protein G affinity purified

**Product Type:** Primary antibody- **Capture** antibody in matched antibody pair

**Target Protein:** Human CRP

**Immunogen:** Purified CRP from human pleural fluid

**Fusion Myeloma:** Sp2/0-Ag14

**Specificity:** No detectable cross-reaction with human normal serum proteins.

**Species Reactivity:** Human, others not tested

**Host / Isotype:** Mouse, IgG1 Kappa

**Formulation:** Lyophilized from a solution in 0.01M PBS, pH 7.0

**Reconstitution:** Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

**Storage:** Store at -20°C

**Research Area:** Inflammatory and cardiovascular diseases

**Background:** C-reactive protein (CRP) is an acute phase protein that is comprised of five identical 23kDa subunits. The protein increases rapidly in response to inflammation, trauma and infection, and drops to normal level when the conditions no longer present. CRP plays a role in innate immunity by binding to phosphocholine on the surface of damaged cells or certain microbes, and activating the C1q complex in complement system. CRP is primarily produced by hepatocytes under the stimulation by inflammatory cytokines including IL-6 and TNF-alpha. Elevated CRP level is implicated with bacterial infection, autoimmune diseases, trauma and post-surgical complications. Study has shown that people with higher CRP baseline have a higher disposition to develop cardiovascular diseases such as heart attack and stroke.

**Applications:** **ELISA:** This antibody can be used as capturer in ELISA for CRP detection in combination with HRP conjugated CRP polyclonal antibody [Cat No: AI-20009P].

**References:** If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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