CRP
Mouse Anti-Human C-Reactive Protein Clone 5A9 mAb

Catalog No.	CSI15582A CSI15582B	**Quantity:**	50 µl 100 µl

Alternate Names: PTX1, MGC88244, MGC149895, C-reactive protein, pentraxin 1

Description: C-reactive protein (CRP) is an acute-phase protein with a well-known association with infection and other inflammatory conditions. Mild elevations in C-reactive protein concentration predict myocardial infarction, stroke, and vascular death in a variety of clinical settings. Despite the lack of specific evidence that C-reactive protein levels are independently associated with cardiovascular risk in patients with hypertension, the prognostic value of C-reactive protein has proven to be complementary to that of blood pressure values.

Concentration: 1 mg/ml

Gene ID: 1401

Protein Accession No.: NP_000558

Host: Mouse

Immunogen: Recombinant human CRP (19-224 aa) purified from *E. coli*

Isotype: Mouse IgG_{2a} heavy chain and κ light chain

Clone: Anti-human CRP mAb, clone 5A9, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CRP protein.

Conjugate: Unconjugated

Formulation: Liquid. Supplied in Phosphate-Buffered Saline (pH 7.4) with 0.1% Sodium Azide.
Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Purification: By protein-G affinity chromatography

Cross-Reactivity: Human, mouse

Applications: ELISA, WB (Cell lysate)

Application Notes: The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000 ~ 2,000. Recommended starting dilution is 1:1,000.

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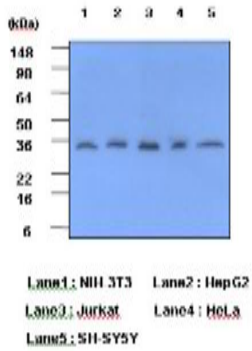
Storage & Stability: Can be stored at +4°C. For long term storage, aliquot and store at -20°C. **Avoid repeated freezing and thawing cycles.**

Cell lysates of NIH-3T3, HepG2, Jurkat, HeLa and SH-SY5Y (each 40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CRP (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



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