

MAA821Hu72**Biotin-linked Antibody to C Reactive Protein (CRP)****Organism Species: Homo sapiens (Human)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]**Immunogen:** CRP**Clonality:** Monoclonal**Conjugation:** Biotin**Clone number:** A1**Host:** Mouse**Immunoglobulin Type:** IgG1 Kappa**Purification:** Affinity Chromatography.**Applications:** WB, ICC, IHC-P, IHC-F, ELISA**Concentration:** 200µg/mL**UOM:** 200µg**[IMMUNOGEN INFORMATION]****Immunogen:** Native Protein CRP.**Accession No.:** NPA821Hu01**[RELEVANCE]**

C-reactive protein (CRP) is an annular (ring-shaped), pentameric protein found in the blood plasma, the levels of which rise in response to inflammation. CRP binds to the phosphocholine expressed on the surface of dead or dying cells and some bacteria. This activates the complement system, promoting phagocytosis by macrophages, which clears necrotic and apoptotic cells and bacteria. CRP is used mainly as a marker of inflammation. Apart from liver failure, there are few known factors that interfere with CRP production.

[ANTIBODY SPECIFICITY]

The antibody is a mouse monoclonal antibody raised against CRP. It has been selected for its ability to recognize CRP in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.