

## Product Specification

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| Catalog No:              | CRP 30H-G1a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hot Species:             | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Size and Physical State: | 0.5 ml in Freeze-dried powder.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Antibody Concentration:  | 1 mg / ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Source:                  | Polyclonal antibody purified by C-reactive Protein (CRP)-Sepharose™ affinity column, and conjugated with HRP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preservation:            | 50 mM PBS, 0.1M NaCl, pH 7.4 and 0.01% Thimersol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Stabilizer:              | 10 mg / ml Bovine Serum Albumin.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity:             | Specifically binds to C-reactive protein. Dilution for immunoblot and ELISA range: 200 to 4,000.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Use:                     | The antibody can be used for detection of the existence of C-reactive protein, immunoassays and immunoblots.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Importance:              | Human C-reactive protein (CRP) is an acute phase protein produced by the liver. It is a member of the pentraxin family of proteins with five identical nonglycosylated subunits of 206 amino acids each (m.w. 24 kDa). Among other markers of inflammation, CRP has been showed the strongest association with cardiovascular events. Clinical studies demonstrated that coronary mortality among patients with unstable angina and elevated CRP is significantly higher comparing with the patients without elevated CRP. It is an important biomarker for detecting individuals at high risk of plaque rupture |

*Reconstitution and Storage: Freeze-dried product should be stored refrigerated until opened. After opening, restore to 0.5 ml with distilled water. If it is not completely clear after standing for 1-2 Hours at room temperature, centrifuge the product. It is stable for several weeks at 4° C as an undiluted liquid. Do not use for more than one day after dilution. For extended storage after reconstitution, we suggest aliquot to avoid repeated freezing and thawing; or the addition of an equal volume of glycerol to make a final glycerol concentration of 50%, followed by storage at -20° C. The concentration of protein and buffer salts will decrease to one-half of the original after the addition of glycerol*

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*\*The products are for research or manufacturing use only, not for use in human therapeutic or diagnostic applications.*