

## Product Specification

<b>Catalog No:</b>	CRP 30S-R1a
<b>Size and Physical State:</b>	0.5 ml in freeze-dried powder.
<b>Specificity:</b>	Specifically binds to human CRP. Dilution for immunoblot and ELISA range: 200 to 160,000.
<b>Source:</b>	Produced by injection of pure human C-Reactive Protein. *
<b>Preservation:</b>	With 0.1% NaN <sub>3</sub> .
<b>Use:</b>	The antibody can be used for detection of human CRP in plasma and Lipoproteins, immunoassays and immunoblots.
<b>Storage:</b>	-20° C for long-term storage, 2-8° C for short-term storage. Aliquot to avoid repeated freezing and thawing.
<b>Importance:</b>	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*

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

