



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

NATIVE HUMAN C-REACTIVE PROTEIN (CRP)

Catalog No.
DS-01-0067

Source
Human pleural

Description

Human C-reactive protein (CRP) was discovered in serum of patients as a nonantibody precipitin of the C-polysaccharide from pneumococci. During acute infection, the amounts of circulating CPR increases 100-1000 fold. Serum CRP values are routinely measured to detect or monitor many human diseases and minor elevations of C-reactive protein are predictive of cardiovascular events in patients with coronary heart disease. CRP promotes host defense, is an efficient activator of the classical C cascade, and shown to be opsonic. The opsonic and C activation activities are responsible for the nonspecific host defense activities providing protection in the preimmune stage of acute infections. Additionally, IL-1 and IL-6 are known to stimulate CRP biosynthesis.

C-Reactive Protein contributes additional information to traditional markers of Coronary Artery Disease (CAD). CRP and cholesterol measurements can provide risk assessment for adverse CAD events in apparently healthy individuals, and target appropriate therapy for patient management for those determined to be at increased risk.

The molecular weight of this product is 140 kD (pentamer). Under reduced and non-reduced conditions a single band was observed at 26kD.

Applications

Table Summary of protein applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay			•	
Western Blotting			•	
ELISA	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Physical Appearance

Sterile Filtered clear solution.

Formulation

2.3 mg/ml native human C-reactive protein in 10 mM TRIS-HCl, 140 mM NaCl, 0.1% sodium azide, pH 8.0.

Stability

Store at 4°C, please don't freeze.

Purity

Greater than 98.0% as determined by analysis by SDS-PAGE.

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