

CRP Human

Catalogue Number PRO-557

Synonyms C-reactive protein, CRP, PTX1, MGC88244, MGC149895.

Introduction CRP is an acute phase protein that correlates with inflammatory disease and is synthesized by hepatocytes during the acute phase response by certain cytokines (IL-1 and TNF Alpha and Beta). CRP levels increase dramatically (up to 1,000 fold) and serve as a useful marker of inflammation in such conditions as bacterial infection, rheumatoid arthritis, viral infections, transplantation rejection, meningitis, myocardial infarction, septicemia, osteomyelitis and others. CRP is also highly correlated to Serum Amyloid A levels.

Description Human CRP produced in Human plasma having a molecular mass of 114 kDa. It can be used as a marker for inflammation and also used for monitoring and prediction of future events in coronary artery disease.

Source Human Plasma.

Physical Appearance Sterile Filtered clear solution.

Formulation The protein solution is in 20mM TRIS buffer pH 8.0 containing 0.28M NaCl, 0.09% NaN₃ and 5mM CaCl₂.

Stability Human CRP should be stored at 2-8°C. Do not freeze!

Purity Greater than 96.0%.

Human Virus Test Starting material donor has been tested and certified negative for antibodies to HIV-1, HIV-2, HCV, HBSAG.

Usage Prospec's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.