

Product Review

Raw Materials for Immunoassay Development and Manufacturing

C-Reactive Protein

Purified CRP

Catalog No.	Purity by SDS-Page
C0129	≥99%
C0128	≥95%

CRP Monoclonals

Catalog No.	Clone No.	Subclass
MC017	CC002	IgG2b,κ

CRP Polyclonals

Catalog No.	Host Animal	Purification Method
GC019	Goat	Immunoaffinity chromatography
GC015	Goat	Ion-exchange chromatography

Antibody Pairs for Immunoassay Development

The following anti-CRP antibodies are recommended for the development of a high-sensitivity immunoassay for CRP:

Capture Antibody	Trapping Antibody
Monoclonal CC002	Polyclonal GC019 or GC015

C-REACTIVE PROTEIN IN CARDIOVASCULAR DISEASE

C-Reactive Protein (CRP) has shown clinical usefulness in identifying individuals at high risk of the future development of cardiovascular disease. In several prospective studies involving apparently healthy populations, elevated serum levels of CRP correlate with a 2- to 3-fold increase in risk of a future coronary event. CRP elevations also predict a poor prognosis in patients who have suffered a myocardial infarct and in stable and unstable angina. In addition, studies indicate that the cardiac patients at greatest risk are those with elevations of both CRP and cardiac troponin I or T.

PURIFIED CRP

Scripps Laboratories has single-band CRP available, as well as ≥95% pure and ≥80% pure material, if purity is not a limiting criterion. These CRP preparations are stable, with excellent lot-to-lot consistency.

CRP ANTIBODIES

For the development of a high sensitivity CRP assay, bulk quantities of monoclonal and polyclonal antibodies are available from Scripps. The CRP monoclonal is protein A purified, and the polyclonals are available purified via immunoaffinity or ion-exchange chromatography.