## Native C-Reaction Protein

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| **Type:** | Native | **Cat. No.:** | 41120-S10 |
| **Tag:** | N/A | **Size:** | 1 mg |
| **Source:** | Human Fluids | **Purity:** | >98% |
| **Other names:** | CRP | **Species:** | Human |

### Description

### Native protein purified from human fluids

### Immunogen grade antigen for research use or manufacturing only.

### Introduction to the Molecule

C-reactive protein (CRP) is a circulating protein mainly secreted from the liver. This acute phase protein consists of five identical non-glycosylated subunits of 23 kDa, that give rise to a symmetrically arranged globular protein with molecular weight of approximately 120 kDa.1 It has long been recognized that CRP is closely related to immunology, inflammation and host defence, as a result it has been used as an inflammatory marker. There is accumulating evidence suggesting the important role that CRP plays in mediating cardiovascular diseases (CVD) and type 2 diabetes.2-4 Normally CRP is presenting only in a trace amount in circulation (<1 μg/ml)5-6 but can increase over 1,000-fold under acute inflammatory state. Individual with blood CRP levels <1 μg/ml, 1-3 μg/ml and >3 μg/ml is considered to have low, moderate and high risk, respectively, of CVD and myocardial infraction.7 Therefore, blood CRP level has become a promising measure of CVD risk.8-9

**Formulation**

Solution in 0.1M Tris, 0.2M NaCl, 2mM CaCl2, 0.1% NaN3, PH:7.5

**Storage**

Less than 3 months: store at 4°C.

For long-term storage: aliquot and freeze at -20°C. Avoid repeated freeze/defrost cycles.

### Applications

### Standard ELISA test, Western blotting

### Quality Control Test

BCA to determine quantity of the protein.

SDS-PAGE to determine purity of the protein.

### Reference:

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