

## Polyclonal Antibody against Human CRP

Catalog Number: 11120

Size: 100 ug

Host: Rabbit

### 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.<sup>1</sup> 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.<sup>2-4</sup> Normally CRP is present only in a trace amount in circulation (<1 µg/ml)<sup>5-6</sup> 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 infarction.<sup>7</sup> Therefore, blood CRP level has become a promising measure of CVD risk.<sup>8-9</sup>

### Isotype/Preparation:

Rabbit crude IgG was purified by protein-G column

### Immunogen:

Recombinant Human C-reactive Protein (CRP) expressed in *E.Coli*.

### Specificity:

The antibody detects human CRP.

### Formulation:

Solution in PBS. Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### Application/Usage:

**ELISA** - This antibody can be used at 0.1 - 0.2 µg/ml with the appropriate secondary reagents to detect human CRP.

### Quality Control Test

BCA to determine quantity of the antibody

### Reference:

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