

Polyclonal Antibody against Human CRP

Catalog Number: 11120**Size:** 1mg**Host:** Rabbit

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 defense; as a result it has been used as an inflammatory marker. Normally CRP is presenting only in a trace amount in circulation (<1µg/ml)^{2,3} 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.⁴ Therefore, blood CRP level has become a promising measure of CVD risk.^{5,6}

Isotype/Preparation:

Rabbit crude IgG was purified by protein-G column

Immunogen:

Recombinant full-length human CRP expressed in E.Coli

Specificity:

The antibody detects circular human CRP.

Formulation:

Solution in PBS.

Storage:

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

Application/Usage:**ELISA** - This antibody can be used at 0.1~0.2 µg/mL as detection antibody in human CRP ELISA.**Reference:**

1. Thompson D., Pepys M.B. and Wood S.P. (1999) *Structure*, **7**, 169-177.
2. Kindmark C.O. (1972) *Scand J Clin Lab Invest*, **29**, 407-411.
3. Macy E.M., Hayes T.E. and Tracy R.P. (1997) *Clin Chem*, **43**, 52-58.
4. Ridker P.M. (2004) *Am Heart Hosp J*, **2 (4 Suppl 1)**, 4-9.
5. Benzaquen I.R., Yu H. and Rifai N. (2002) *Crit Rev Clin Lab Sci*, **39**, 459-497.
6. Pearson T.A. et al., (2003) *Circulation*, **107**, 499-511.