

## CRP Conjugated Antibody

Catalog No: #C32023



Package Size: #C32023-AF350 100ul #C32023-AF405 100ul #C32023-AF488 100ul  
 #C32023-AF555 100ul #C32023-AF594 100ul #C32023-AF647 100ul  
 #C32023-AF680 100ul #C32023-AF750 100ul #C32023-Biotin 100ul

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## Description

Product Name	CRP Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CRP protein.
Immunogen Description	Recombinant protein of human CRP.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CRP;MGC149895;MGC88244;PTX1
Accession No.	Swiss-Prot#:P02741NCBI Gene ID:1401
Uniprot	P02741
GeneID	1401;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	25
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Product Description

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Antibodies were purified by affinity purification using immunogen.

## Background

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Human c-Reactive protein (CRP) was discovered in serum of patients as a nonantibody precipitin of the C-polysaccharide from pneumococci(1). During acute infection, the amounts of circulating CPR increases 100-1000 fold (2). Serum CRP values are routinely measured to detect or monitor many human diseases and minor elevations of C-reactive protein are predictive of cardiovascular events in patients with coronary heart disease (3). CRP promotes host defense, is an efficient activator of the classical C cascade, and shown to be opsonic (4).The opsonic and C activation activities are responsible for the nonspecific host defense activities providing protection in the preimmune stage of acute infections. Additionally, IL-1 and IL-6 are known to stimulate CRP biosynthesis (5).

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Note: This product is for in vitro research use only