

CRP Polyclonal Antibody, HRP

Catalog NumberPA1-28329

Product data sheet

Details		Species Reactivity	
Size	1 mg	Species reactivity	Human
Host/Isotope	Goat / IgG	Tested Applications	
Class	Polyclonal	ELISA (ELISA)	1:10,000-1:100,000
Type	Antibody	Western Blot (WB)	1:1,000-1:30,000
Immunogen	Human CRP - detail information is considered to be commercially sensitive	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	HRP		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	4° C, do not freeze		

Product specific information

PA1-28329 detects C Reactive Protein from human samples. PA1-28329 has been successfully used in Western blot and ELISA applications. The PA1-28329 immunogen is: Human CRP - detail information is considered to be commercially sensitive

Background/Target Information

CRP (C-reactive protein) is a major cyclic, pentameric acute phase protein compound consisting of five identical, noncovalently bound, nonglycosylated subunits. Each subunit is made up of 206 amino acids, and has a molecular weight of 24 kDa. CRP is produced by the liver, and its plasma levels rise dramatically during inflammatory processes occurring in the body. CRP is an initiator of classical complement cascade, binds to several nuclear components (chromatin, histones, etc.), plays an important role in innate immunity, and mediates activities associated with pre-immune nonspecific host resistance. Specifically, there is a 100-1000 fold increase of CRP in response to injury, infection or inflammation. CRP is opsonic, an initiator of the classical complement cascade, and an activator of monocytes/macrophages. CRP also binds to several nuclear components including chromatin, histones and snRNP, suggesting that it may play a role as a scavenger during cell necrosis. CRP is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host, and initiates pathogen elimination by interacting with humoral and cellular effector systems in the blood. Patients with elevated basal levels of CRP have been shown to be an increased risk for hypertension and cardiovascular disease.

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