

**Anti-HUMAN CRP (GOAT) Antibody Fluorescein Conjugated**  
**CRP Antibody Fluorescein Conjugated**  
**Catalog # ASR4881****Specification****Anti-HUMAN CRP (GOAT) Antibody Fluorescein Conjugated - Product Information**

Host	Goat
Conjugate	Fluorescein (FITC)
FP Value	2.2
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, I, LCI
Application Note	Anti-CRP FITC conjugated antibody has been tested by dot blot and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
Physical State	Lyophilized
Buffer	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Human CRP (Capsular Reactive Protein)
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Thimerosal

**Anti-HUMAN CRP (GOAT) Antibody Fluorescein Conjugated - Additional Information****Gene ID** 1401**Other Names**  
1401**Purity**

This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-fluorescein, anti-Goat Serum, purified and partially purified Human CRP.

**Storage Condition**

Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted

liquid. Dilute only prior to immediate use.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-HUMAN CRP (GOAT) Antibody Fluorescein Conjugated - Protein Information**

**Name** CRP

**Synonyms** PTX1

**Function**

Displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells.

**Cellular Location**

Secreted.

**Tissue Location**

Found in plasma.

**Anti-HUMAN CRP (GOAT) Antibody Fluorescein Conjugated - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-HUMAN CRP (GOAT) Antibody Fluorescein Conjugated - Images****Anti-HUMAN CRP (GOAT) Antibody Fluorescein Conjugated - Background**

CRP (C-Reactive Protein) belongs to the pentaxin family. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood. It promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Consequently, the level of this protein in plasma increases greatly during acute phase response to tissue injury, infection, or other inflammatory stimuli. CRP can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells. Diseases associated with CRP include Acute Pancreatitis and Appendicitis. Anti-CRP Antibody is ideal for researchers interested in cAMP Dependent PKA, IL6 signaling, calcium ion binding, and cholesterol binding.