

Datasheet for 209-1232S**CRP Antibody Fluorescein Conjugated****Overview**

Description:	Anti-Human CRP (GOAT) Antibody Fluorescein Conjugated - 209-1232S
Item No.:	209-1232S
Size:	25 µL
Applications:	Dot Blot
Reactivity:	Human
Host Species:	Goat

Product Details

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.
Synonyms:	goat anti-CRP fluorescein conjugated Antibody, goat anti-CRP FITC conjugated Antibody, C reactive protein pentraxin related antibody, CRP antibody, MGC88244 antibody, PTX 1 antibody, PTX1 antibody
Host Species:	Goat
Conjugate:	Fluorescein (FITC)
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	2.2

Target Details

Gene Name:	CRP
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Reactivity:	Human
Immunogen Type:	Native Protein
Immunogen:	Human CRP (Capsular Reactive Protein)
Purity/Specificity:	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.
Relevant Links:	• UniProtKB - P02741 • NCBI - NP_000558.2 • GeneID - 1401

Application Details

Tested Applications:	Dot Blot
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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FLISA:	User Optimized
IF:	User Optimized
WB:	User Optimized

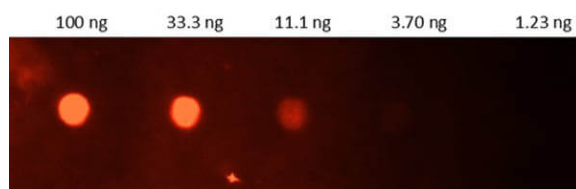
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Thimerosal
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Dot Blot

Dot Blot of Goat Anti-Human CRP Antibody FITC. Lane 1: 100ng. Lane 2: 33.3ng. Lane 3: 11.1ng. Lane 4: 3.7ng. Lane 5: 1.23ng. Secondary Antibody: 209-1232 Gt-a-hu CRP Fluorescein 1:1000. Blocking Buffer: MB-073 for 1 hour RT.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.