

**Datasheet for 209-1232-0100****CRP Antibody Fluorescein Conjugated****Overview**

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|----------------------|-----------------------------------------------------------------------|
| <b>Description:</b>  | Anti-Human CRP (GOAT) Antibody Fluorescein Conjugated - 209-1232-0100 |
| <b>Item No.:</b>     | 209-1232-0100                                                         |
| <b>Size:</b>         | 100 µg                                                                |
| <b>Applications:</b> | Dot Blot                                                              |
| <b>Reactivity:</b>   | Human                                                                 |
| <b>Host Species:</b> | Goat                                                                  |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Background:</b>   | 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. |
| <b>Synonyms:</b>     | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Conjugate:</b>    | Fluorescein (FITC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>F/P Ratio:</b>    | 2.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**Target Details**

|                   |     |
|-------------------|-----|
| <b>Gene Name:</b> | CRP |
|-------------------|-----|

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| <b>Reactivity:</b>         | Human                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen Type:</b>     | Native Protein                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen:</b>          | Human CRP (Capsular Reactive Protein)                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity/Specificity:</b> | 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. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"> <li>• <a href="#">UniProtKB - P02741</a></li> <li>• <a href="#">NCBI - NP_000558.2</a></li> <li>• <a href="#">GeneID - 1401</a></li> </ul>                                                                                                                                                                                                                                  |

## Application Details

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

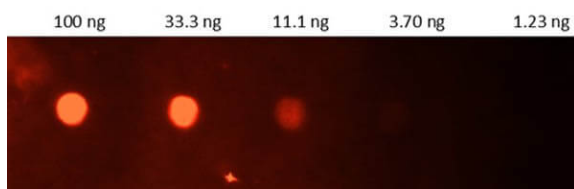
## Formulation

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                            |
| <b>Concentration:</b>         | 2.0 mg/mL by UV absorbance at 280 nm                                   |
| <b>Buffer:</b>                | 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2                |
| <b>Preservative:</b>          | 0.01% (w/v) Thimerosal                                                 |
| <b>Stabilizer:</b>            | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| <b>Reconstitution Volume:</b> | 100 µL                                                                 |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)                           |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Ambient                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Condition:</b>  | 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. |
| <b>Expiration:</b>         | 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.