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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-CRP [P02] Bulk Size Ab03323-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: P02

Alternative Name(s) of Target: C reactive protein; PTX1; C-reactive protein

UniProt Accession Number of Target Protein: P02741

Published Application(s): WB, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with C-reactive protein extracted from human plasma.

Specificity: This antibody reacts with human C reactive protein, which is a pentameric protein found in blood plasma. It is an acute phase reactive protein of hepatic origin. It is an important defense molecule for the body and its plasma concentration increases sharply during tissue damage, inflammation and bacterial infection. It promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. It can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells.

Application Notes: Indirect ELISA was used for the primary screening of the hybridomas showing selective binding for human CRP. Spicy root labelled scFv P02 was used for the identification of natural CRP extracted from denatured and non-denatured blood in a western blot assay. The combination of P02 and P20 antibody was also used in the double antibody sandwich detection system consisting of P20 as the coating antibody and P02 as the labeled antibody to be used in the colloidal gold detection platform for the detection of natural CRP. These antibodies were also used in the preparation of human C-reactive protein colloidal gold test card (CN106596976).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.