9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# C4BP Human

*Complement Component 4 Binding Protein Human*
*RCP0294*

## Product Overview

| | |
|---|---|
| Name | C4BP Human |
| **Description** | |
| Complement Component 4 Binding Protein Human | |
| Accession (Primary) | P04003 |
| **Synonyms** | |
| C4bp, C4BP, C4b-binding protein alpha chain, Proline-rich protein, PRP, C4BPA | |
| **Introduction** | |
| C4BP has a flower shaped structure with each alpha chain radiating out from a central core. The arms are linked by disulfide bonds in the centre and the ends of each arm bind C4b. C4BP acts as a cofactor allowing factor I to split and permanently inactivate C4b. C4b binding protein modulates complement activation of the classical and lectin pathways. C4BP binds to C4b and accelerates the dissociation of C2a from the C3/C5 convertase C4b,C2a. This inactivates the central enzyme of both pathways. Studies have shown that on surfaces densely coated with C4b, C4BP can bind up to four C4b molecules simultaneously. | |
| **Source** | |
| Human Plasma. | |
| **Physical Appearance** | |
| Sterile filtered solution. | |
| **Formulation** | |
| C4BP solution (1mg/ml) contains PBS, pH 7.2. | |
| **Stability** | |
| C4BP Human is stable at 4°C if entire vial will be used within 2-4 weeks. Store, frozen below -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. | |
| **Purity** | |
| Greater than 90% as determined by SDS-PAGE. | |
| **Human Virus Test** | |
| Plasma from each donor has been tested and found negative for antibody to HIV-1, HIV-2, HCV, HTLV-I &II, STS and HBSAG. | |

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

**Precautions**

C4BP Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P04003 )