

32-13729: C4BP Human

Format : C4BP solution (1mg/ml) contains PBS, pH 7.2.

Alternative Name : C4bp, C4BP, C4b-binding protein alpha chain, Proline-rich protein, PRP, C4BPA

Description

Source: Human Plasma.

Physical Appearance: Sterile filtered solution.

Biological Activity: null

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.

C4BP Human produced in Human Plasma having a molecular mass of 540 kDa.

Product Info

Amount : 100 µg / 20 µg

Purification : Greater than 90% as determined by SDS-PAGE.

Storage condition : 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.