

32-13751: CFD Human

Format : CFD protein solution contains 10mM Sodium phosphate and 145mM NaCl, pH 7.3.

Alternative Name : Complement factor D, Adipsin, C3 convertase activator, Properdin factor D, CFD, DF, PFD.

Description

Source: Human Plasma.

Physical Appearance: Sterile filtered solution.

Biological Activity: null

CFD is an important component of the alternative pathway of complement activation. CFD cleaves and activates factor B when it binds C3b or a C3b-like protein such as C3 or CVF. CFD is a serine protease that exists as a mature protease, but it exhibits a highly restricted specificity and it appears to be substrate activated. CFD cleaves factor B bound to C3b leading to the release of the Ba fragment and leaving the Bb fragment bound to C3b. The C3b,Bb complex is called a C3 or C5 convertase because it converts these proteins to their active forms by cleaving off the small peptides C3a and C5a, respectively.

Human Complement Factor D produced in Human plasma is glycosylated polypeptide chain having a total molecular mass of 24kDa.

Product Info

Amount : 5 µg / 1 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Storage condition : CFD 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.