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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 Activitynull
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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.