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32-13728: C3d Human

Format : C3d solution contains phosphate buffered saline, pH 7.2.

Alternative Name : Complement C3, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, C3, CPAMD1.

Description

Source:Human Plasma.
Physical Appearance:Sterile filtered solution.
Biological Activitynull
C3d is derived from human C3 after a series of proteolytic cleavages.C3d is prepared from purified human C3. The C3 is converted to C3b by treatment with the natural human C3 convertase and this C3b is converted to iC3b. Finally, this iC3b is cleaved with trypsin to yield C3d.If the C3b precursor was attached to a surface (as occurs during complement activation) the iC3b, C3dg and C3d fragments would remain covalently attached to that surface.C3d is able to attach to a surfaceonly during complement activation on a surface. Surface-bound C3d is linked to the target through an ester or an amide covalent bond. Ester bonds are unstable, thusC3d releasesfrom the particle.
Human Complement C3d produced in Human plasma having a molecular mass of 33.8kDa.

Product Info

Amount :	50 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Storage condition :	C3d 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.