9051 Mira Mesa Blvd, #910094
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C3d Human

Complement C3d Human
RCP0290

Product Overview

Name	C3d Human
Description	
Complement C3d Human	
Accession (Primary)	P01024
Synonyms	
Complement C3, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, C3, CPAMD1.	
Introduction	
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.	
Source	
Human Plasma.	
Physical Appearance	
Sterile filtered solution.	
Formulation	
C3d solution contains phosphate buffered saline, pH 7.2.	
Stability	
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.	
Purity	
Greater than 95.0% 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 and HBSAG.	
Precautions	

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C3d Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01024)