

Active Native Human C3D Protein

Cat. No. C3D-3029H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Human C3D Protein was purified from human serum expression system. Extinction Coeff.: A280 nm = 1.10 at 1.0 mg/ml
Species	Human
Source	Human serum
Form	Frozen liquid. 10 mM Sodium phosphate, 145 mM NaCl, pH 7.3
Bio-activity	There are no functional assays for C3d. SDS gels and Western blots can be used to determine the chain structure of the protein. C3d does bind to the B-cell receptor CR2, but the affinity between a single C3d and CR2 is weak. This interaction is best observed with particles coated with many C3d molecules or with cross-linked C3d multimers (Carter, R.H. and Fearon, D.T. (1989)).
Molecular Mass	33800 Da
Purity	>95% by SDS-PAGE
Notes	The source of this protein is human serum, therefore precautions appropriate for handling any blood-derived product must be used even though the source was shown by certified tests to be negative for HBsAg, HTLV-I/II, STS, and for antibodies to HCV, HIV-1 and HIV-II.
Storage	Store at -70 centigrade or below. Avoid freeze/thaw.

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Concentration	1.0 mg/ml
Preservative	None, 0.22 µm filtered