

Human Complement C3 - Purified

Alternate names:	C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, CPAMD1, Complement component 3
Catalog No.:	BA149
Quantity:	1 mg
Background:	C3 is a complement protein that is activated through cleavage by complement 3 (C3) convertases to C3a and C3b. These are further degraded into iC3b and C3dg/C3d. C3 is crucial in the induction of tolerance generated when an antigen is introduced into immunoprivileged sites and this is exploited by pathogens and cancer cells to evade the immune system by inhibiting complement activation.
Uniprot ID:	P01024
NCBI:	NP_000055
GeneID:	718
Species:	Human
Source:	Plasma, (Human)
Format:	State: Lyophilized Affinity Chromatography purified. Purity: >96% pure by SDS-PAGE Analysis: Cellulose acetate electrophoresis shows one band only with beta-2 electrophoretic mobility. Quantitative and qualitative analysis by radial immunodiffusion. Buffer System: PBS, pH 7.2 without preservatives or stabilizers. Reconstitution: Restore with deionised water.
Applications:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Purified Native Human Complement C3. Molecular weight: ~180 KD
Storage:	Store lyophilised material at 2-8°C and reconstituted at -20°C. Do not subject to freeze-thaw cycles. Shelf life: one year from despatch.
General Readings:	1. Kawakami F, Shimoyama Y, Ohtsuki K. Characterization of complement C3 as a glycyrrhizin (GL)-binding protein and the phosphorylation of C3alpha by CK-2, which is potently inhibited by GL and glycyrrhetic acid in vitro. J Biochem. 2003 Feb;133(2):231-7. PubMed PMID: 12761187.