

Product datasheet for **BP370**

Complement C3 (C3) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID
Recommended Dilution:	ELISA. Radial Immunodiffusion.
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	Purified C3d from pooled activated serum
Specificity:	This antibody is specific for human C3d and gave a single arc in the alpha region when tested by IEP against aged human plasma (C3d) and a continuous double arc in the alpha and beta regions when tested against fresh human plasma (C3 and C3d).
Formulation:	Glycine buffered saline, containing 0.09 % Sodium Azide (NaN ₃), 0.09 % EACA, 0.01 % Benzamidine and 1 mM EDTA State: Ig Fraction State: Liquid Ig fraction
Purification:	Ion exchange chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20 °C. Ship at 2 - 8 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	complement component 3
Database Link:	Entrez Gene 718 Human P01024
Background:	The complement factor C3 consists of an alpha and a beta chain. C3 is a central factor in the complement cascade. It is central to the alternative pathway that leads to the C3 convertase C3bBb. The classical mannose binding lectin activation pathway leads to the C3 convertase C4b2a. These convertases cleave C3 resulting in C3a and C3b. Further degradation leads to the formation of the alpha chain products C3d, C3g and C3c. C3 is an acute phase protein that is produced by a wide range of tissues, including renal epithelial cells and hepatocytes.



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Synonyms:	CPAMD1, Complement component 3
Note:	Identity was confirmed by double diffusion (ouchterlony) vs human plasma and a known anti-human C3d.
Protein Families:	Druggable Genome
Protein Pathways:	Complement and coagulation cascades, Systemic lupus erythematosus