

Product datasheet for **BP4009**

Complement C3 (C3) (neopeptide) Chicken Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	ELISA: The titer with native Human C3a was 1/5000.
Reactivity:	Human
Host:	Chicken
Clonality:	Polyclonal
Immunogen:	Peptide coupled to carrier protein. The antibody was generated against the carboxy-terminal neopeptide which is not exposed on C3, allowing discrimination between C3 and C3a.
Specificity:	This antibody reacts with Human C3a and C3adesArg (67-76). It does not cross-react with C3 or C4a.
Formulation:	PBS, pH 7.2 State: Aff - Purified State: Liquid purified IgY fraction Preservative: 0.09% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: Six months from despatch.
Gene Name:	complement component 3
Database Link:	Entrez Gene 718 Human P01024



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Background:	<p>The complement system is part of the innate immune system representing humoral defence. Activation of the complement cascade via the classical, the alternative or the Lectin pathway liberates several biologically active by-products, among them the anaphylatoxin C3a. Measurement of C3a (and C4a) in plasma or other body fluids can yield important clues about the pathological, and particularly also the inflammatory status of an organism. In serum, C3a activity is under strict control of the carboxypeptidase N. This enzyme rapidly cleaves the C-terminal arginine, thereby generating C3adesArg which shows greatly reduced biological activity as compared to C3a. Thus, the biological activity of C3a is focused mainly on its point of generation, while the degradation product C3adesArg remains relatively stable until it is cleared from the circulation.</p>
Synonyms:	CPAMD1, Complement component 3
Protein Families:	Druggable Genome
Protein Pathways:	Complement and coagulation cascades, Systemic lupus erythematosus