

## Product datasheet for **BP4010**

### Complement C4A (C4A) (neoepitope) Chicken Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> The titer with native Human C4a was > 1/1000.
Reactivity:	Human
Host:	Chicken
Clonality:	Polyclonal
Immunogen:	Synthetic peptide coupled to carrier protein.
Specificity:	This antibody was found not to cross-react with Human C3a. The antibody was generated against the carboxy-terminal neoepitope which is not exposed on C4, allowing discrimination between C4 and C4a.
Formulation:	PBS, pH 7.2 State: Aff - Purified State: Liquid purified IgY fraction Stabilizer: 30% Glycerol Preservative: 0.09% Sodium Azide
Concentration:	0.5 mg/ml
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement component 4A (Rodgers blood group)
Database Link:	<a href="#">Entrez Gene 720 Human</a> <a href="#">POCOL4</a>



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<b>Background:</b>	The complement system is part of the innate immune system representing humoral defence. Activation of the complement cascade via the the alternative pathway liberates several biologically active by-products, among them the anaphylatoxin C4a. Measurement of C4a (and C3a) in plasma or other body fluids can yield important clues about the pathological, and particularly also the inflammatory status of an organism. In serum, C4a activity is under control of the carboxypeptidase N. This enzyme rapidly cuts off the C-terminal arginine, thereby generating C4adesArg. This degradation product C4adesArg remains relatively stable until it is cleared from the circulation.
<b>Synonyms:</b>	Complement component 4, CPAMD2, CPAMD3, Acidic complement C4, Basic complement C4
<b>Protein Pathways:</b>	Complement and coagulation cascades, Systemic lupus erythematosus