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Polyclonal Antibody To Human Complement C4a

Chicken Anti Human Complement C4adesArg (67-76)

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.

The antibody was generated against the carboxy-terminal neopeptide which is not exposed on C4, allowing discrimination between C4 and C4a.

Product Number:	T-1521
Clone:	Polyclonal antibody
Host species, isotype:	Chicken IgY
Quantity:	100µg
Format:	Affinity purified, liquid Supplied as 0.2ml solution. This stock solution contains 0.5mg/ml IgY, phosphate buffered saline pH 7.2 (PBS), 30% glycerol and 0.1% sodium azide as a preservative.
Stability:	Stock solution or aliquots thereof: 6 months at 4°-8°C.
Applications:	Tested for ELISA. This antibody was found not to cross-react with human C3a. The titer with native human C4a was >1:1000.
Immunogen:	Synthetic peptide coupled to carrier protein.
Specificity:	Human: C4adesArg Other species: not tested.

For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.