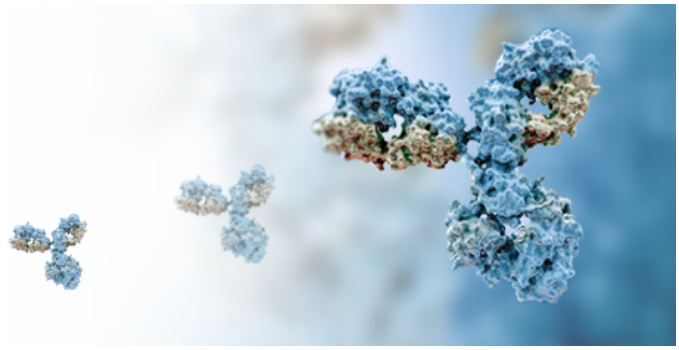

Rabbit Anti-Human C4a Polyclonal Antiserum

Cat. No.: CTA-P-008
This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product is an Anti-Human C4a Polyclonal Antiserum from rabbits immunized with highly purified human C4a protein. It is not a purified IgG fraction.

SPECIFICATIONS

Host Animal	Rabbits
Isotype	IgG
Immunogen	C4a protein
Applications	Western Blots; ELISA; Immunodiffusion
Application Notes	Immunodiffusion: 1/4; WB: 1/500 to 1/1000; ELISA: 1/500 to 1/2000
Specificity	C4a
Format	Frozen liquid
Size	1ml
Concentration	>40 mg/mL
Preservative	0.09 % sodium azide.
Storage	Store at 4°C short term. Store at -20°C or below long term. Avoid freeze-thaw cycles.

ANTIGEN INFORMATION

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Introduction	Complement C4-A is a protein that in humans is encoded by the C4A gene.This gene encodes the acidic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus and type I diabetes mellitus. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Varying haplotypes of this gene cluster exist, such that individuals may have 1, 2, or 3 copies of this gene.
Alternative Names	Complement C4A (Rodgers Blood Group); C3 And PZP-Like Alpha-2-Macroglobulin Domain-Containing Protein 2; Complement Component 4A (Rodgers Blood Group); Acidic Complement C4; MHC Class III Region Complement; Complement Component 4A; Rodgers Form Of C4; C4A Anaphylatoxin; Complement C4-A; Acidic C4; C4; RG; C4S; CO4; C4A2; C4A3; C4A4; C4A6; C4AD; CPAMD2
Gene ID	720
UniProt ID	P0C0L4

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