Elabscience Biotechnology Co., Ltd.



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Human C3a Antibody Pair Set

Catalog No. E-KAB-0489 Applications ELISA

Synonyms C3a-desArg;ASP

Kit components & Storage

Title	Specifications	Storage
Human C3a Capture Antibody	1 vial, 100 μ g	Store at -20°C for one year.
		Avoid freeze/thaw cycles.
Human C3a Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20°C for one year.
		Avoid freeze/thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0489)		
		Human C3a Capture Antibody	Human C3a Detection Antibody	
			(Biotin)	
Immunogen	Immunogen	Recombinant Human C3a protien	Recombinant Human C3a protien	
Information	Swissprot	P01024		
Product details	Reactivity	Human	Human	
	Host	Mouse	Mouse	
	Conjugation	Unconjugated	Biotin	
	Concentration	0.5 mg/mL	/	
	Buffer	PBS with 0.04% Proclin 300; 50%	PBS with 0.04% Proclin 300; 1%	
		glycerol; pH 7.5	protective protein; 50% glycerol; pH	
			7.5	
	Purify	Protein A or G	Protein A or G	
	Specificity	Detects Human C3a in ELISAs.		

For Research Use Only

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Applications

Human C3a Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human C3a Capture Antibody	10]
ELISA Detection	1:1000-1:10000	Human C3a Detection Antibody (Biotin)	0.01 1 1 10 100 1000 Human C3a Concentration(ng/mL)

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form the mature protein , which is then further processed to generate numerous peptide products. The C3a peptide , also known as the C3a anaphylatoxin , modulates inflammation and possesses antimicrobial activity. Mutations in this gene are associated with atypical hemolytic uremic syndrome and age-related macular degeneration in human patients.

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