

Sheep Complement Fragment 3a ELISA Kit | C3a elisa kit

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CATALOG # AAA95711	REACTIVITY Sheep
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PRODUCT SYNONYMS

Complement Fragment 3a; Sheep Complement Fragment 3a ELISA Kit; C3a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This C3a ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep C3a. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for C3a elisa kit	Principle of the assay: C3a ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-C3a antibody and an C3a-HRP conjugate. The assay sample and buffer are incubated together with C3a-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the C3a concentration since C3a from samples and C3a-HRP conjugate compete for the anti-C3a antibody binding site. Since the number of sites is limited, as more sites are occupied by C3a from the sample, fewer sites are left to bind C3a-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C3a concentration in each sample is interpolated from this standard curve.
Product Categories/Family for C3a elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298678
NCBI GeneID	718
NCBI Accession #	NP_000055.2
NCBI GenBank Nucleotide #	NM_000064.2
Molecular Weight	187,148 Da
NCBI Official Full Name	complement C3
NCBI Official Synonym Full Names	complement component 3

NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p
NCBI Protein Information	complement C3; prepro-C3; C3a anaphylatoxin; complement component C3; complement component C3a; complement component C3b; acylation-stimulating protein cleavage product; epididymis secretory sperm binding protein Li 62p; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	CPAMD1; ASP
UniProt Entry Name	CO3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/c3a-sheep-elisa-kits/complement-fragment-3a/95711>