

Rat Complement Fragment 3a ELISA Kit | C3a elisa kit

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CATALOG #
AAA95766

REACTIVITY
Rat

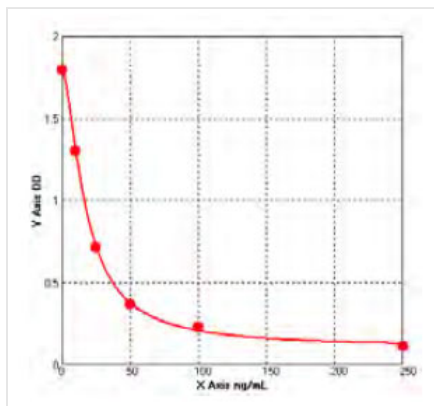
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of F3a. No significant cross-reactivity or interference between F3a and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between F3a and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C3a elisa kit	Intended Uses: This F3a ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat F3a. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: F3a ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-F3a antibody and an F3a-HRP conjugate. The assay sample and buffer are incubated together with F3a-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 F3a concentration since F3a from samples and F3a-HRP conjugate compete for the anti-F3a antibody binding site. Since the number of sites is limited, as more sites are occupied by F3a from the sample, fewer sites are left to bind F3a-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The F3a 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.