

Human Complement Component 3a (C3a) ELISA Kit | C3a elisa kit

Human Complement Component 3a (C3a) ELISA Kit

CATALOG #
AAA137935

REACTIVITY
Human

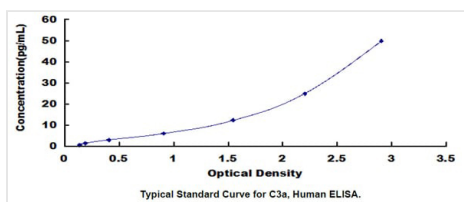
PRODUCT SYNONYMS

Complement Component 3a (C3a); Human Complement Component 3a (C3a) ELISA Kit; C3a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of C3a. No significant cross-reactivity or interference between C3a and analogues was observed.
Sequence Length	482
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.78-50pg/mL
Sensitivity	< 0.37pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level C3a were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level C3a were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C3a elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to C3a. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to C3a. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain C3a, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of C3a in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of C3a in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for C3a elisa kit	Infection immunity; Immune molecule; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	30385606
NCBI GeneID	719
Molecular Weight	53,864 Da
NCBI Official Full Name	complement component 3a receptor 1
NCBI Official Synonym Full Names	complement component 3a receptor 1
NCBI Official Symbol	C3AR1
NCBI Official Synonym Symbols	AZ3B; C3AR; HNFAG09
NCBI Protein Information	C3a anaphylatoxin chemotactic receptor
UniProt Protein Name	C3a anaphylatoxin chemotactic receptor
UniProt Gene Name	C3AR1
UniProt Synonym Gene Names	AZ3B; C3R1; HNFAG09; C3AR; C3a-R
UniProt Entry Name	C3AR_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/complement-component-3a-c3a/137935>