

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

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CATALOG #
AAA189670

REACTIVITY
Mouse

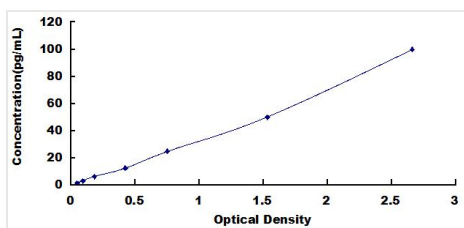
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of C3a.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100pg/mL
Sensitivity	< 0.49pg/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	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months 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 mouse 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 #	126518317
NCBI GeneID	12266
NCBI Accession #	NP_033908.2
NCBI GenBank Nucleotide #	NM_009778.2
UniProt Accession #	P01027; Q61370; Q80XP1
Molecular Weight	60,952 Da
NCBI Official Full Name	complement C3
NCBI Official Synonym Full Names	complement component 3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; Plp; HSE-MSF; AI255234
NCBI Protein Information	complement C3; complement factor 3; complement component 3d; acylation stimulating protein
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	C3bc; ASP
UniProt Entry Name	CO3_MOUSE

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://stage.aaabiotech.com/mouse-elisa-kits/complement-component-3a-c3a/189670>