

Mouse Complement Component 4a (C4a) ELISA Kit | C4a elisa kit

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CATALOG #
AAA66459

REACTIVITY
Mouse

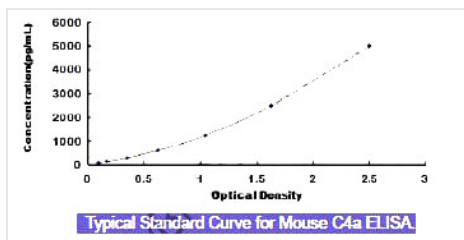
PRODUCT SYNONYMS

Complement Component 4a (C4a); Mouse Complement Component 4a (C4a) ELISA Kit; C4; C4S; CO4; CPAMD2; RG; C4A; C4F; CH; CPAMD3; C4(Rodgers Blood Group); Acidic C4; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 2; C4a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of C4a. No significant cross-reactivity or interference between C4a and analogues was observed.
Sequence Length	1735
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	24pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level C4a 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 C4a were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C4a elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of C4a in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to C4a. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to C4a. 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 C4a, 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 C4a in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126215532
NCBI GeneID	625018
NCBI Accession #	NP_035543.2
NCBI GenBank Nucleotide #	NM_011413.2
UniProt Accession #	V9GZG9
Molecular Weight	190,707 Da
NCBI Official Full Name	sex-limited protein
NCBI Official Synonym Full Names	complement component 4A (Rodgers blood group)
NCBI Official Symbol	C4a
NCBI Official Synonym Symbols	Slp; SlpA
NCBI Protein Information	sex-limited protein
UniProt Protein Name	MHC class III H2-Slp (haplotype a) sex-limited protein mRNA

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-4a-c4a/66459>