

Human Complement Component 4a (C4a) RTU ELISA Kit | C4a rtu elisa kit

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CATALOG #
AAA69449

REACTIVITY
Human

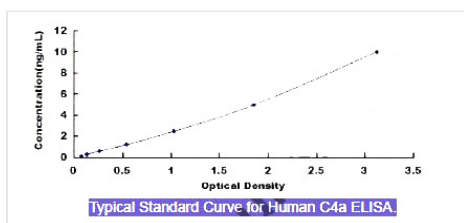
PRODUCT SYNONYMS

Complement Component 4a (C4a); Human Complement Component 4a (C4a) ELISA Kit; C4a anaphylatoxin; C4a rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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	1744
Samples	Serum, plasma or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/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 kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C4a rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of C4a in human serum, plasma or 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 #	178557739
NCBI GeneID	721
NCBI Accession #	NP_001002029.3
NCBI GenBank Nucleotide #	NM_001002029.3
UniProt Accession #	POC0L4; P01028; P78445; Q13160; Q13906; A6H8M8; A6NHJ5; A7E2V2; B0QZR6; B0V2C8; B2RUT6; B7ZVZ6; POC0L5
Molecular Weight	187,704 Da
NCBI Official Full Name	complement C4-B preproprotein
NCBI Official Synonym Full Names	complement C4B (Chido blood group)
NCBI Official Symbol	C4B
NCBI Official Synonym Symbols	CH; C4F; CO4; C4B1; C4B2; C4B3; C4B5; C4BD; C4B12; C4B_2; CPAMD3
NCBI Protein Information	complement C4-B
UniProt Protein Name	Complement C4-A
UniProt Gene Name	C4A
UniProt Synonym Gene Names	CO4; CPAMD2

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/human-rtu-elisa-kits/complement-component-4a-c4a/69449>