

Rat Complement Component 5 (C5) ELISA Kit | C5 elisa kit

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CATALOG #
AAA185322

REACTIVITY
Rat

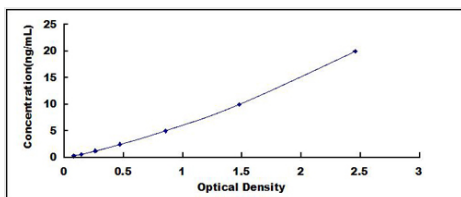
PRODUCT SYNONYMS

Complement Component 5 (C5); Rat Complement Component 5 (C5) ELISA Kit; CPAMD4; C5a anaphylatoxin; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4; C5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Complement Component 5 (C5). No significant cross-reactivity or interference between Complement Component 5 (C5) and analogues was observed.
Sequence Length	1,676
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.142ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Complement Component 5 (C5) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Complement Component 5 (C5) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 C5 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Complement Component 5 (C5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Complement Component 5 (C5). 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 Complement Component 5 (C5), 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 Complement Component 5 (C5) 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 #	119607886
NCBI GeneID	727
UniProt Accession #	P01031; Q14CJ0; Q27I61
Molecular Weight	188,305 Da
NCBI Official Full Name	complement component 5
NCBI Official Synonym Full Names	complement C5
NCBI Official Symbol	C5
NCBI Official Synonym Symbols	C5D; C5a; C5b; ECLZB; CPAMD4
NCBI Protein Information	complement C5
UniProt Protein Name	Complement C5
UniProt Gene Name	C5
UniProt Synonym Gene Names	CPAMD4

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.