

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

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CATALOG #
AAA64618

REACTIVITY
Mouse

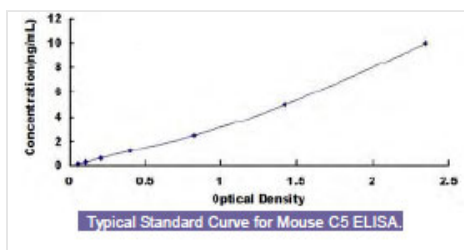
PRODUCT SYNONYMS

Complement Component 5 (C5); Mouse 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	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of C5. No significant cross-reactivity or interference between C5 and analogues was observed.
Sequence Length	1676
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level C5 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 C5 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 C5 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of C5 in mouse serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to C5. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 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
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.