

Mouse Complement Component 5a (C5a) ELISA Kit | C5a elisa kit

Mouse Complement Component 5a (C5a)(Sandwich ELISA) ELISA Kit

CATALOG # AAA189482	REACTIVITY Mouse	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

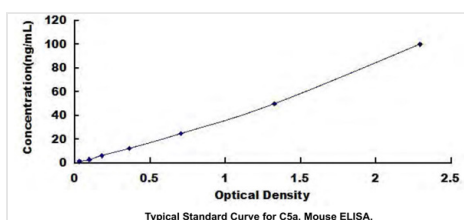
PRODUCT SYNONYMS

Complement Component 5a (C5a); Mouse Complement Component 5a (C5a)(Sandwich ELISA) ELISA Kit; Mini Samples ELISA Kit for Complement Component 5a (C5a); C5a/Complement Component 5a; C5a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of C5a. No significant cross-reactivity or interference between C5a and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.59ng/mL
Applicable Applications for C5a elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level C5a 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 C5a 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). 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 C5a elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to C5a. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to C5a. 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 C5a, 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 C5a 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 C5a in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for C5a elisa kit	Metabolic pathway; Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754164
NCBI GeneID	15139
NCBI Accession #	NP_034536.1
NCBI GenBank Nucleotide #	NM_010406.2
UniProt Accession #	P06684; A2AS36
NCBI Official Full Name	complement C5 preproprotein
NCBI Official Synonym Full Names	hemolytic complement
NCBI Official Symbol	Hc
NCBI Official Synonym Symbols	C5; He; C5a
NCBI Protein Information	complement C5
UniProt Protein Name	Complement C5
UniProt Gene Name	C5
UniProt Synonym Gene Names	Hc
UniProt Entry Name	CO5_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.