

Rat Complement Component 5a (C5a) CLIA Kit | C5a clia kit

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CATALOG # AAA188908	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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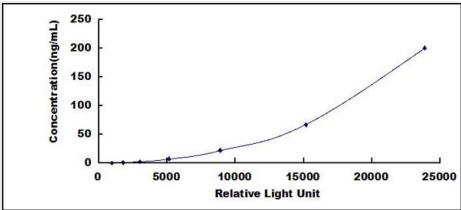
PRODUCT SYNONYMS

Complement Component 5a (C5a); Rat Complement Component 5a (C5a) CLIA Kit; Complement Component 5a; C5a clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Complement Component 5a (C5a). No significant cross-reactivity or interference between Complement Component 5a (C5a) and analogues was observed.
Sequence Length	77
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.27-200ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.11ng/mL
Applicable Applications for C5a clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Complement Component 5a (C5a) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Complement Component 5a (C5a) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Complement Component 5a (C5a). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Complement Component 5a (C5a). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Complement Component 5a (C5a) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	46397770
NCBI GeneID	362119
UniProt Accession #	P08650
NCBI Official Full Name	Complement C5
NCBI Official Synonym Full Names	complement C5
NCBI Official Symbol	C5
NCBI Official Synonym Symbols	Hc; C5a; RGD1561905
NCBI Protein Information	complement C5
UniProt Protein Name	Complement C5
UniProt Gene Name	C5
UniProt Entry Name	CO5_RAT

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://www.aaabiotech.com/rat-clia-kits/complement-component-5a-c5a/188908>