

Rat Complement fragment 5a ELISA Kit | C5a elisa kit

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CATALOG #
AAA84372

REACTIVITY
Rat

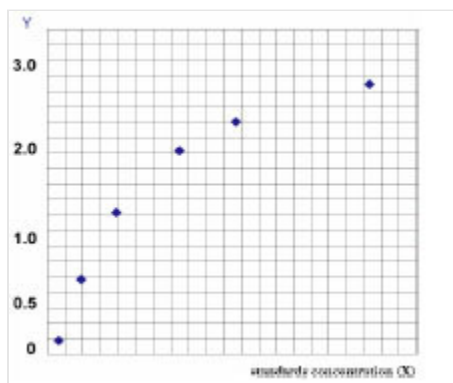
PRODUCT SYNONYMS

Complement fragment 5a; Rat Complement fragment 5a ELISA Kit; C5a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C5a elisa kit	Intended Uses: This C5A ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of C5A in the sample, this C5A ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus C5A concentration. The concentration of C5A in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: This C5A enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for C5A. Standards or samples are then added to the microtiter plate wells and C5A if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of C5A present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for C5A are added to each well to "sandwich" the C5A immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain C5A and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.
Product Categories/Family for C5a elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	38016947
NCBI GeneID	727
NCBI Accession #	NP_001726.2
NCBI GenBank Nucleotide #	NM_001735.2
Molecular Weight	188,305 Da
NCBI Official Full Name	complement C5 preproprotein
NCBI Official Synonym Full Names	complement component 5
NCBI Official Symbol	C5
NCBI Official Synonym Symbols	C5D; C5a; C5b; ECLZB; CPAMD4
NCBI Protein Information	complement C5; prepro-C5; C5a anaphylatoxin; anaphylatoxin C5a analog; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4
UniProt Protein Name	Complement C5
UniProt Gene Name	C5
UniProt Synonym Gene Names	CPAMD4
UniProt Entry Name	CO5_HUMAN

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/c5a-rat-elisa-kits/complement-fragment-5a/84372>