

Rat Complement Component 5 ELISA Kit | C5 elisa kit

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CATALOG #
AAA82823

REACTIVITY
Rat

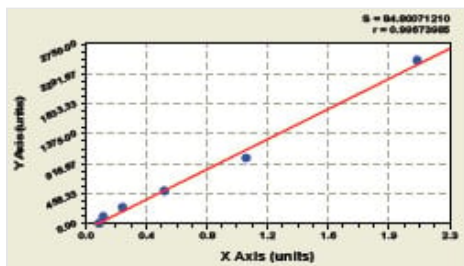
PRODUCT SYNONYMS

Complement Component 5; Rat Complement Component 5 ELISA Kit; C5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	25-500ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This C5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat C5. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C5 elisa kit

Principle of the assay: C5 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for C5. Standards or samples are then added to the microtiter plate wells and C5 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of C5 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for C5 are added to each well to "sandwich" the C5 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain C5 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C5 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for C5 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	109731812
NCBI GeneID	727
Molecular Weight	188,305 Da
NCBI Official Full Name	Complement component 5
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/c5-rat-elisa-kits/complement-component-5/82823>