

Rat Complement Component 2 ELISA Kit | C2 elisa kit

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CATALOG #
AAA84617

REACTIVITY
Rat

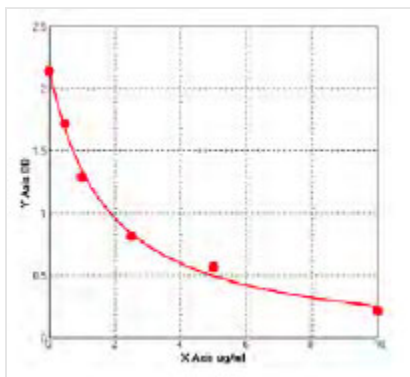
PRODUCT SYNONYMS

Complement Component 2; Rat Complement Component 2 ELISA Kit; C2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of C2. No significant cross-reactivity or interference between C2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between C2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ?g/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C2 elisa kit	Intended Uses: This C2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat C2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: C2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-C2 antibody and an C2-HRP conjugate. The assay sample and buffer are incubated together with C2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the C2 concentration since C2 from samples and C2-HRP conjugate compete for the anti-C2 antibody binding site. Since the number of sites is limited, as more sites are occupied by C2 from the sample, fewer sites are left to bind C2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for C2 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	168985077
UniProt Accession #	Q5JP69
Molecular Weight	83,268 Da
UniProt Protein Name	Complement component 2, isoform CRA_b
UniProt Gene Name	C2
UniProt Synonym Gene Names	hCG_43694
UniProt Entry Name	Q5JP69_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/c2-rat-elisa-kits/complement-component-2/84617>