

Rat Complement Component 4B ELISA Kit | C4B elisa kit

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CATALOG #
AAA16163

REACTIVITY
Rat

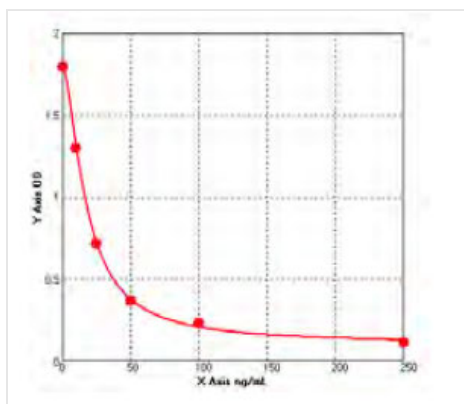
PRODUCT SYNONYMS

Complement Component 4B; Rat Complement Component 4B ELISA Kit; C4B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of C4B. No significant cross-reactivity or interference between C4B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between C4B and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C4B elisa kit	Principle of the Assay: C4B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-C4B antibody and an C4B-HRP conjugate. The assay sample and buffer are incubated together with C4B-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 C4B concentration since C4B from samples and C4B-HRP conjugate compete for the anti-C4B antibody binding site. Since the number of sites is limited, as more sites are occupied by C4B from the sample, fewer sites are left to bind C4B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C4B concentration in each sample is interpolated from this standard curve. Intended Uses: This C4B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat C4B. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for C4B elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	356601440
Molecular Weight	1,094 Da
NCBI Official Full Name	complement component 4B, partial
UniProt Protein Name	Complement component 4B
UniProt Gene Name	C4B
UniProt Entry Name	R9QA77_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.