

Rat Anti-Complement 1q Antibody ELISA Kit | C1q elisa kit

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CATALOG #
AAA83281

REACTIVITY
Rat

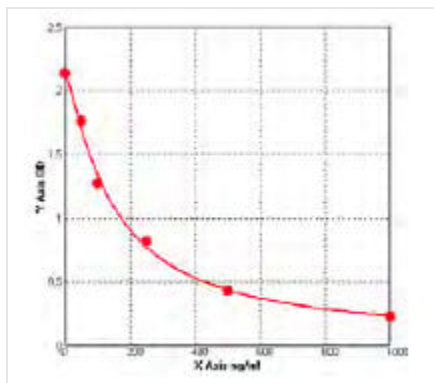
PRODUCT SYNONYMS

Anti-Complement 1q Antibody; Rat Anti-Complement 1q Antibody ELISA Kit; C1q elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of C1QAb. No significant cross-reactivity or interference between C1QAb and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between C1QAb 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	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 C1q elisa kit	Intended Uses: This C1QAb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat C1QAb. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: C1QAb ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-C1QAb antibody and an C1QAb-HRP conjugate. The assay sample and buffer are incubated together with C1QAb-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 C1QAb concentration since C1QAb from samples and C1QAb-HRP conjugate compete for the anti-C1QAb antibody binding site. Since the number of sites is limited, as more sites are occupied by C1QAb from the sample, fewer sites are left to bind C1QAb-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C1QAb concentration in each sample is interpolated from this standard curve.
Product Categories/Family for C1q elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	14149712
NCBI GeneID	114902
NCBI Accession #	NP_056460.1
NCBI GenBank Nucleotide #	NM_015645.4
Molecular Weight	25,298 Da
NCBI Official Full Name	complement C1q tumor necrosis factor-related protein 5
NCBI Official Synonym Full Names	C1q and tumor necrosis factor related protein 5
NCBI Official Symbol	C1QTNF5
NCBI Official Synonym Symbols	CTRP5
NCBI Protein Information	complement C1q tumor necrosis factor-related protein 5; myonectin; C1q TNF-alpha-related protein 5
UniProt Protein Name	Complement C1q tumor necrosis factor-related protein 5
UniProt Gene Name	C1QTNF5
UniProt Synonym Gene Names	CTRP5; UNQ303/PRO344
UniProt Entry Name	C1QT5_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/c1q-rat-elisa-kits/anti-complement-1q-antibody/83281>