

Human Complement C1q subcomponent subunit C ELISA Kit | C1QC elisa kit

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CATALOG #
AAA98805

REACTIVITY
Human

PRODUCT SYNONYMS

Complement C1q subcomponent subunit C; Human Complement C1q subcomponent subunit C ELISA Kit; C1QC (Complement C1q subcomponent subunit C)/C1QG; C1QC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize C1QC, no obvious cross reaction with other analogues
Sequence Length	245
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C1QC elisa kit	Background: Complement C1q subcomponent subunit C is a protein that belongs to the C1q family of complement proteins, involved in the classical pathway of complement activation. It plays a crucial role in immune defense against pathogens and clearance of apoptotic cells by recognizing and binding to various molecular patterns, thereby initiating complement cascade activation and inflammatory responses. Dysregulation of C1qC expression or function has been associated with autoimmune diseases, inflammatory disorders, and impaired host defense mechanisms. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti C1QC antibody was precoated onto the 96-well plate. The biotin conjugated anti C1QC antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with C1QC conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of C1QC in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166235903
NCBI GeneID	714
NCBI Accession #	NP_001107573.1
NCBI GenBank Nucleotide #	NM_001114101.1
Molecular Weight	25,774 Da
NCBI Official Full Name	complement C1q subcomponent subunit C
NCBI Official Synonym Full Names	complement component 1, q subcomponent, C chain
NCBI Official Symbol	C1QC
NCBI Official Synonym Symbols	C1QG; C1Q-C
NCBI Protein Information	complement C1q subcomponent subunit C
UniProt Protein Name	Complement C1q subcomponent subunit C
UniProt Gene Name	C1QC
UniProt Synonym Gene Names	C1QG
UniProt Entry Name	C1QC_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/c1qc-human-elisa-kits/complement-c1q-subcomponent-subunit-c/98805>