

Human Complement 1q (C1q) ELISA Kit

Catalog No: #EK12054



Package Size: #EK12054-1 48T #EK12054-2 96T

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Description

Product Name	Human Complement 1q (C1q) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	Complement component 1; q subcomponent; beta polypeptide complement component C1q; B chain complement subcomponent C1q chain B
Accession No.	P02746
Uniprot	P02746
GeneID	713;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:78-5000 pg/mL

Sensitivity:31 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate C1QB in samples. An antibody specific for C1QB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyC1QB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for C1QB is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of C1QB bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**C1q is a 400 KDa protein formed from 18 peptide chains in 3 subunits of 6. Each 6 peptide subunit consists of a Y-shaped pair of triple peptide helices joined at the stem and ending in a globular non-helical head.C1q is a large molecule made up of 18 polypeptide chain s(6 of A,6 of B,and 6 of C)held together by a combination of covalent(disulfide) and noncovalent bonds. When assembled,the C1q full molecule has two distinct regions:a globular head and a longtail.Most of the antibodies raised against C1q specific to the secondary structure of the assembled chains and are nonreactive to the amino acid sequence of each chain.The tightly bound individual polypeptide chains are difficult to separate from this complex,which requires long incubations under reducing conditions and high urea concentrations.Several proteins have globular domains similar to C1q.

Note: This product is for in vitro research use only