Human Complement C1q subcomponent subunit A(C1QA) ELISA kit

Product Code	CSB-EL003637HU
Abbreviation	C1QA
Protein Biological Process 1	Complement
Target Name	complement component 1, q subcomponent, A chain
Uniprot No.	P02745
Alias	OTTHUMP00000197085|complement component 1, q subcomponent, alpha polypeptide|complement component C1q, A chain
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Complement pathway
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	9.38 ng/mL-600 ng/mL
Sensitivity	2.34 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	C1QA
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human C1QA ELISA Kit was designed for the quantitative measurement of Human C1QA protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 9.38 ng/mL-600 ng/mL and the sensitivity is 2.34 ng/mL.
Target Details	This gene encodes a major constituent of the human complement subcomponent C1q. C1q associates with C1r and C1s in order to yield the first component of the serum complement system. Deficiency of C1q has been associated with lupus erythematosus and glomerulonephritis. C1q is composed

of 18 polypeptide chains: six A-chains, six B-chains, and six C-chains. Each chain contains a collagen-like region located near the N terminus and a C-terminal globular region. The A-, B-, and C-chains are arranged in the order A-C-B on chromosome 1. This gene encodes the A-chain polypeptide of human complement subcomponent C1q.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%
Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision (Precision between assays): CV%<10%
Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human C1QA in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:100	Average %	97
	Range %	90-101
1:200	Average %	103
	Range %	98-107
1:400	Average %	95
	Range %	89-99
1:800	Average %	97
	Range %	93-101

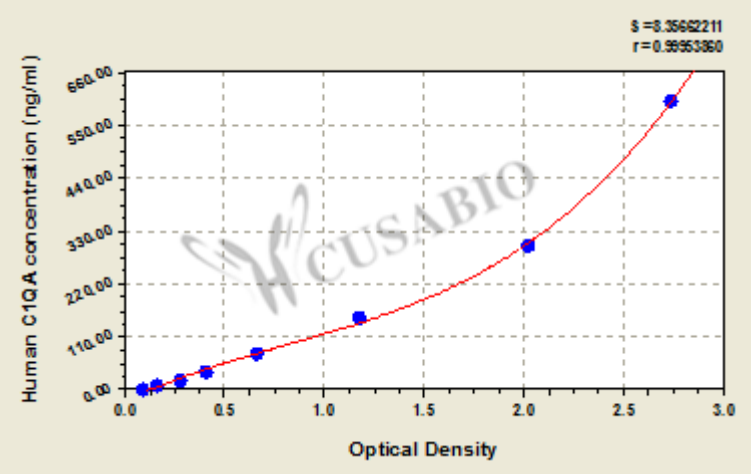
Recovery

The recovery of human C1QA spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	93	86-97
EDTA plasma (n=4)	93	86-96

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
600	2.715	2.666	2.691	2.594
300	1.986	1.994	1.990	1.893
150	1.178	1.143	1.161	1.064
75	0.662	0.652	0.657	0.560
37.5	0.413	0.402	0.408	0.311
18.75	0.287	0.274	0.281	0.184
9.38	0.169	0.163	0.166	0.069
0	0.098	0.096	0.097	

Msds

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