



Human Complement C1s subcomponent(C1S)

ELISA kit

Product Code	CSB-EL003657HU
Abbreviation	C1S
Protein Biological Process 1	Complement
Target Name	complement component 1, s subcomponent
Uniprot No.	P09871
Alias	FLJ44757, OTTHUMP00000197019 basic proline-rich peptide IB-1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Complement pathway
Sample Types	serum, plasma, tissue homogenates
Detection Range	25 ng/mL-1600 ng/mL
Sensitivity	6.25 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	C1S
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human C1S ELISA Kit was designed for the quantitative measurement of Human C1S protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 25 ng/mL-1600 ng/mL and the sensitivity is 6.25 ng/mL.
Target Details	This gene encodes a serine protease, which is a major constituent of the human complement subcomponent C1. C1s associates with two other complement components C1r and C1q in order to yield the first component of the serum complement system. Defects in this gene are the cause of selective C1s deficiency.



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 C1S 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 %	100
	Range %	91-104
1:200	Average %	107
	Range %	98-110
1:400	Average %	88
	Range %	82-93
1:800	Average %	96
	Range %	87-99

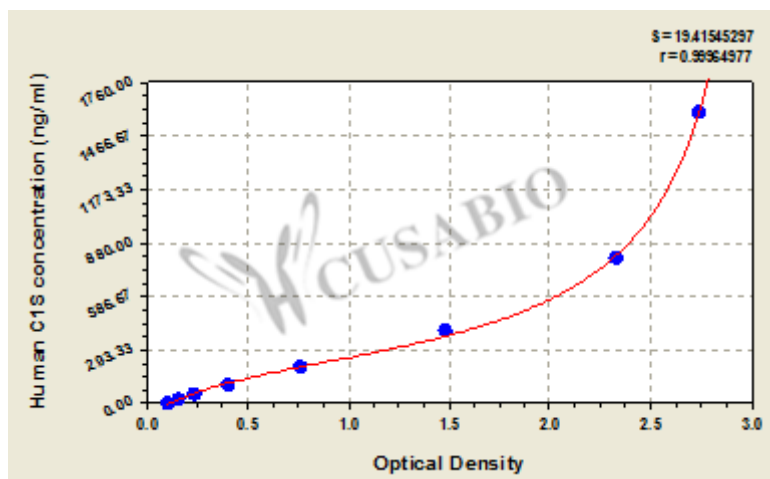
Recovery

The recovery of human C1S 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)	110	98-114
EDTA plasma (n=4)	98	90-102

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

1600	2.740	2.685	2.713	2.598
800	2.346	2.276	2.311	2.196
400	1.488	1.454	1.471	1.356
200	0.756	0.768	0.762	0.647
100	0.396	0.411	0.404	0.289
50	0.246	0.239	0.243	0.128
25	0.162	0.170	0.166	0.051
0	0.113	0.117	0.115	?

Msds

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