



Human Complement factor H-related protein 3(CFHR3) ELISA kit

Product Code	CSB-EL005276HU
Abbreviation	CFHR3
Target Name	complement factor H-related 3
Uniprot No.	Q02985
Alias	CFHL3, DOWN16, FHR-3, FHR3, HLF4, H factor-like 4 H factor-like protein 3
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.25 ng/mL-2000 ng/mL
Sensitivity	7.8 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	CFHR3
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CFHR3 ELISA Kit was designed for the quantitative measurement of Human CFHR3 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 ng/mL-2000 ng/mL and the sensitivity is 7.8 ng/mL.
Target Details	This protein is a secreted protein, which belongs to the complement factor H-related protein family. It binds to heparin, and may be involved in complement regulation. Mutations in this gene are associated with decreased risk of age-related macular degeneration, and with an increased risk of atypical hemolytic-uremic syndrome. Alternatively spliced transcript variants encoding diferent isoforms have been found for this gene.
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 CFHR3 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 % 95
	Range % 90-99
1:200	Average % 101
	Range % 97-104
1:400	Average % 96
	Range % 89-99
1:800	Average % 98
	Range % 93-101

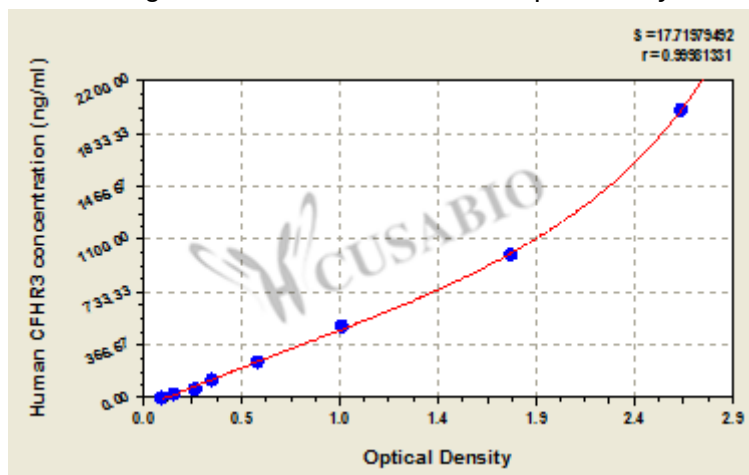
Recovery

The recovery of human CFHR3 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)	91	85-94
EDTA plasma (n=4)	93	90-97

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
2000	2.623	2.632	2.628	2.532
1000	1.814	1.788	1.801	1.705
500	0.988	0.963	0.976	0.880
250	0.571	0.554	0.563	0.467
125	0.334	0.347	0.341	0.245
62.5	0.261	0.253	0.257	0.161
31.25	0.153	0.166	0.160	0.064
0	0.097	0.095	0.096	

Msds

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