



Human Cofilin-1(CFL1) ELISA kit

Product Code	CSB-EL005280HU
Abbreviation	CFL1
Target Name	cofilin 1 (non-muscle)
Uniprot No.	P23528
Alias	CFL
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	25 pg/mL-1600 pg/mL
Sensitivity	6.25 pg/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	Signal Transduction
Gene Names	CFL1
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human CFL1 ELISA Kit was designed for the quantitative measurement of Human CFL1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 25 pg/mL-1600 pg/mL and the sensitivity is 6.25 pg/mL.

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 CFL1 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)
---	--------	------------



1:1	Average %	89
	Range %	85-93
1:2	Average %	102
	Range %	98-105
1:4	Average %	97
	Range %	95-100
1:8	Average %	88
	Range %	84-92

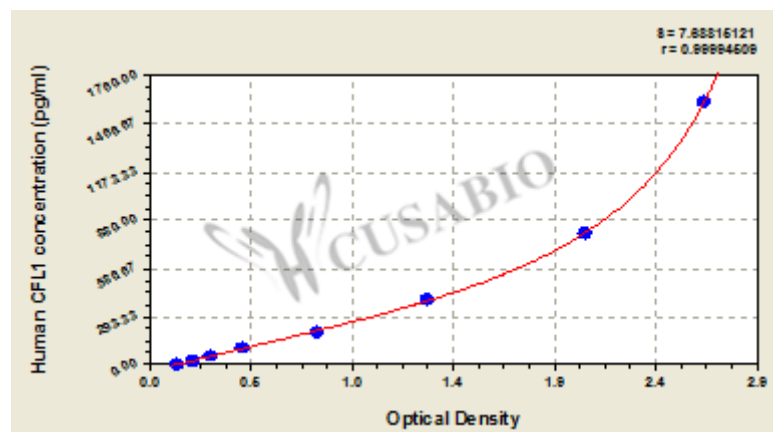
Recovery

The recovery of human CFL1 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	90-96
EDTA plasma (n=4)	105	101-109

Typical

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



pg/ml	OD1	OD2	Average	Corrected
1600	2.604	2.638	2.621	2.486
800	2.078	2.041	2.060	1.925
400	1.329	1.305	1.317	1.182
200	0.804	0.797	0.801	0.666
100	0.431	0.456	0.444	0.309
50	0.294	0.287	0.291	0.156
25	0.213	0.206	0.210	0.075
0	0.136	0.134	0.135	?

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL005280HU.pdf","filename":"MSDS"}}