



Human Nuclear factor erythroid 2-related factor 2(NFE2L2) ELISA kit

Product Code	CSB-EL015752HU
Abbreviation	NFE2L2
Protein Biological Process 1	Transcription/Transcription regulation
Target Name	nuclear factor (erythroid-derived 2)-like 2
Uniprot No.	Q16236
Alias	NRF2, NF-E2-related factor 2 nuclear factor erythroid 2-like 2
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Transcription
Sample Types	serum, plasma, urine, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 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	Cardiovascular
Gene Names	NFE2L2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human NFE2L2 ELISA Kit was designed for the quantitative measurement of Human NFE2L2 protein in serum, plasma, urine, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 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 NFE2L2 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)
	Average %	90
1:1	Range %	80-100
	Average %	98
1:2	Range %	90-105
	Average %	102
1:4	Range %	92-110
	Average %	93
1:8	Range %	86-102

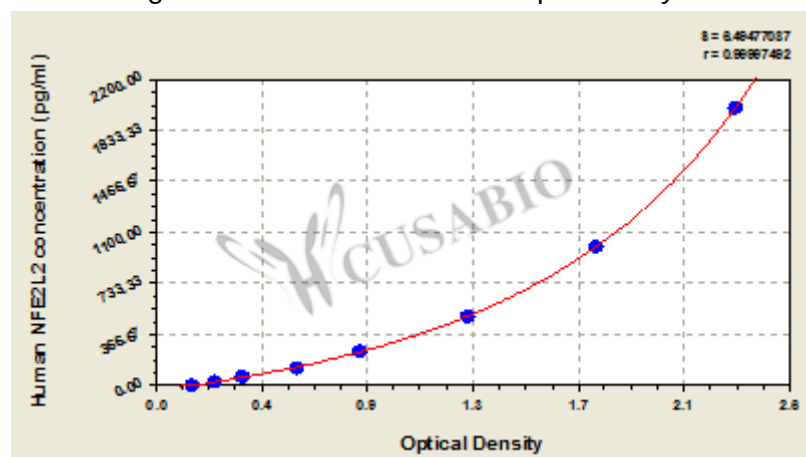
Recovery

The recovery of human NFE2L2 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)	95	82-104
EDTA plasma (n=4)	96	90-100

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
2000	2.336	2.352	2.344	2.187
1000	1.787	1.776	1.782	1.625
500	1.280	1.254	1.267	1.110
250	0.845	0.821	0.833	0.676
125	0.571	0.584	0.578	0.421
62.5	0.364	0.359	0.362	0.205
31.25	0.241	0.254	0.248	0.091
0	0.156	0.158	0.157	?

Msds

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