



Human neuregulin-4 (NRG4) ELISA kit

Product Code	CSB-EL016080HU										
Abbreviation	NRG4										
Target Name	neuregulin-4 (NRG4)										
Uniprot No.	Q8WWG1										
Alias	DKFZp779N0541, DKFZp779N1944, HRG4, heregulin 4										
Product Type	ELISA Kit										
Immunogen Species	Homo sapiens (Human)										
Sample Types	serum, plasma, tissue homogenates										
Detection Range	125 pg/mL-8000 pg/mL										
Sensitivity	31.25 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	Neuroscience										
Gene Names	NRG4										
Tag Info	quantitative										
Protein Description	Sandwich										
Description	This Human NRG4 ELISA Kit was designed for the quantitative measurement of Human NRG4 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 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 NRG4 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td>?</td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td>1:1</td><td>Average %</td><td>90</td></tr><tr><td></td><td>Range %</td><td>86-95</td></tr></table>		?	Sample	Serum(n=4)	1:1	Average %	90		Range %	86-95
?	Sample	Serum(n=4)									
1:1	Average %	90									
	Range %	86-95									



1:2	Average %	97
	Range %	91-105
1:4	Average %	95
	Range %	90-101
1:8	Average %	85
	Range %	82-89

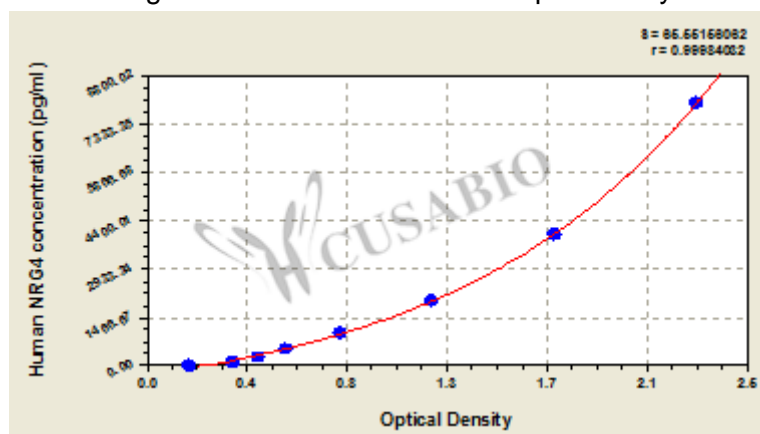
Recovery

The recovery of human NRG4 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)	90	87-96
EDTA plasma (n=4)	98	94-103

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
8000	2.335	2.256	2.296	2.102
4000	1.648	1.768	1.708	1.514
2000	1.191	1.201	1.196	1.002
1000	0.812	0.823	0.818	0.624
500	0.588	0.596	0.592	0.398
250	0.475	0.484	0.480	0.286
125	0.367	0.381	0.374	0.180
0	0.193	0.195	0.194	?

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL016080HU.pdf","filename":"MSDS"}}}