Human Glucocorticoid receptor(NR3C1) ELISA kit

Product Code	CSB-EL016059HU
Abbreviation	NR3C1
Protein Biological Process 1	Transcription/Transcription regulation
Target Name	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)
Uniprot No.	P04150
Alias	GCCR, GCR, GR, GRL, glucocorticoid receptor
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Transcription
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.81 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	Epigenetics and Nuclear Signaling
Gene Names	NR3C1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human NR3C1 ELISA Kit was designed for the quantitative measurement of Human NR3C1 protein in serum, plasma, 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 7.81 pg/mL.
Target Details	This protein is a receptor for glucocorticoids that can act as both a transcription factor and as a regulator of other transcription factors. This protein can also be found in heteromeric cytoplasmic complexes along with heat shock factors and immunophilins. The protein is typically found in the cytoplasm until it binds a ligand, which induces transport into the nucleus. Mutations in this gene are a cause of glucocorticoid resistance, or cortisol, resistance. Alternate splicing, the use of at least three different promoters, and alternate translation initiation sites

result in several transcript variants encoding the same protein or different isoforms, but the full-length nature of some variants has not been determined.

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 NR3C1 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 %	88
	Range %	82-95
1:2	Average %	92
	Range %	87-99
1:4	Average %	91
	Range %	85-97
1:8	Average %	87
	Range %	82-92

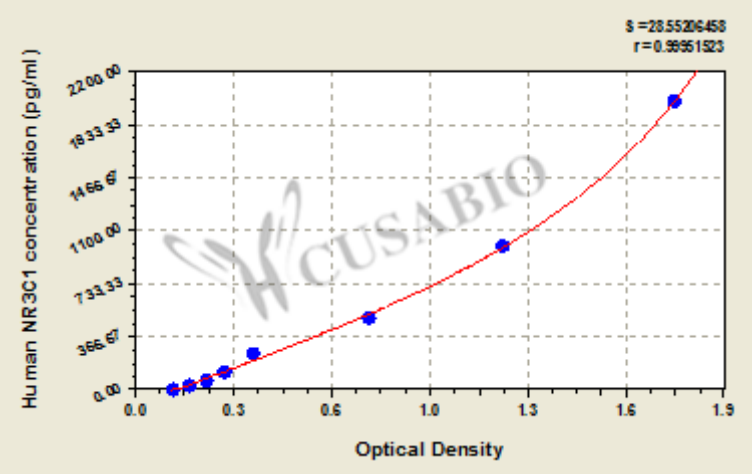
Recovery

The recovery of human NR3C1 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)	98	92-102
EDTA plasma (n=4)	106	96-110

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	1.724	1.742	1.733	1.600
1000	1.197	1.176	1.187	1.054
500	0.763	0.753	0.758	0.625
250	0.391	0.386	0.389	0.256
125	0.306	0.287	0.297	0.164
62.5	0.236	0.244	0.240	0.107
31.25	0.189	0.179	0.184	0.051
0	0.132	0.134	0.133	

Msds

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