



Human Carbonyl reductase [NADPH] 1 (CBR1/CBR/CRN) ELISA kit

Product Code	CSB-E17009h
Abbreviation	CBR1
Target Name	carbonyl reductase 1
Uniprot No.	P16152
Alias	CBR, SDR21C1, hCBR1, carbonyl reductase (NADPH) 1 prostaglandin 9-ketoreductase prostaglandin-E(2) 9-reductase short chain dehydrogenase/reductase family 21C, member 1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
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	Cell Biology
Gene Names	CBR1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CBR1 ELISA Kit was designed for the quantitative measurement of Human CBR1 protein in serum, plasma, tissue homogenates. 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	Carbonyl reductase is one of several monomeric, NADPH-dependent oxidoreductases having wide specificity for carbonyl compounds. This enzyme is widely distributed in human tissues. Another carbonyl reductase gene, CRB3, lies close to this gene on chromosome 21q.
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 CBR1 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 %	90
	Range %	85-97
1:2	Average %	85
	Range %	80-89
1:4	Average %	94
	Range %	90-98
1:8	Average %	102
	Range %	98-107

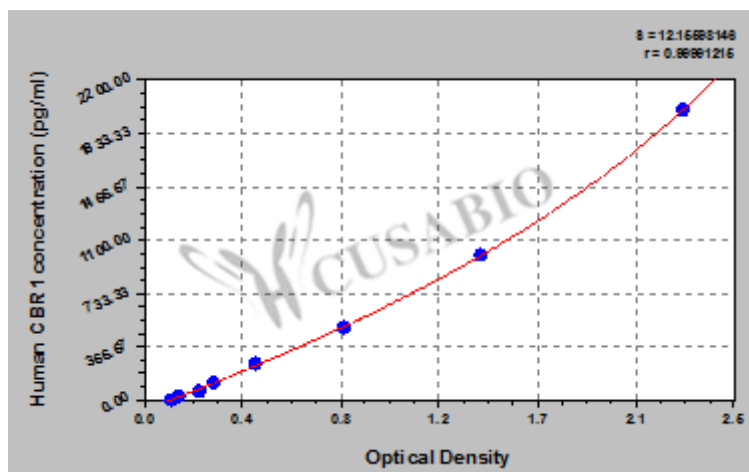
Recovery

The recovery of human CBR1 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)	96	92-100
EDTA plasma (n=4)	89	84-93

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	2.319	2.214	2.267	2.142
1000	1.394	1.452	1.423	1.298
500	0.825	0.870	0.848	0.723
250	0.471	0.487	0.479	0.354
125	0.308	0.295	0.302	0.177
62.5	0.247	0.239	0.243	0.118
31.25	0.153	0.161	0.157	0.032
0	0.122	0.128	0.125	?

Msds

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