



# Human Endothelin-2(EDN2)ELISA Kit

<b>Product Code</b>	CSB-E16518h
<b>Abbreviation</b>	EDN2
<b>Target Name</b>	endothelin 2
<b>Uniprot No.</b>	P20800
<b>Alias</b>	ET2, PPET2, preproendothelin 2
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	4.688 pg/mL-300 pg/mL
<b>Sensitivity</b>	1.172 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Cancer
<b>Gene Names</b>	EDN2
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human EDN2 ELISA Kit was designed for the quantitative measurement of Human EDN2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 4.688 pg/mL-300 pg/mL and the sensitivity is 1.172 pg/mL.
<b>Target Details</b>	This gene encodes a member of the endothelin protein family of secretory vasoconstrictive peptides. The preproprotein is processed to a short mature form which functions as a ligand for the endothelin receptors that initiate intracellular signaling events. This gene product is involved in a wide range of biological processes, such as hypertension and ovulation.
<b>Product Precision</b>	<p><b>Intra-assay Precision (Precision within an assay): CV%&lt;8%</b> Three samples of known concentration were tested twenty times on one plate to assess.</p> <p><b>Inter-assay Precision (Precision between assays): CV%&lt;10%</b> Three samples of known concentration were tested in twenty assays to assess.</p>



## Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human EDN2 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 %	103
	Range %	96-107
1:2	Average %	86
	Range %	81-92
1:4	Average %	94
	Range %	87-98
1:8	Average %	86
	Range %	80-91

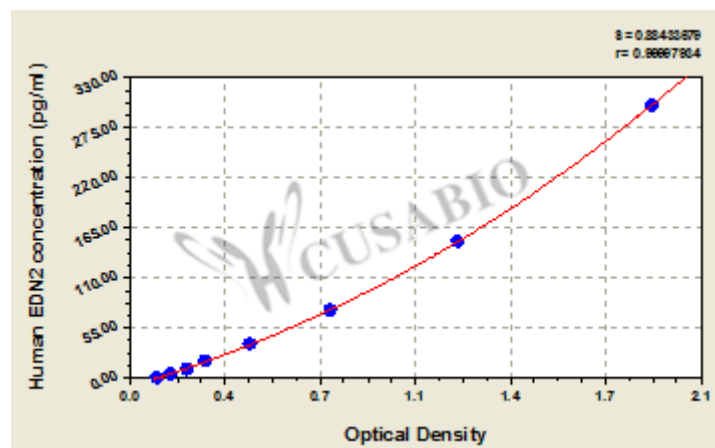
## Recovery

The recovery of human EDN2 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	87-98
EDTA plasma (n=4)	94	90-98

## 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
300	1.832	1.988	1.910	1.802
150	1.214	1.192	1.203	1.095
75	0.760	0.721	0.741	0.633
37.5	0.442	0.451	0.447	0.339
18.75	0.287	0.276	0.282	0.174
9.375	0.212	0.217	0.215	0.107
4.688	0.155	0.160	0.158	0.050
0	0.107	0.108	0.108	?

## Msds

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