



# Human Ectonucleotide pyrophosphatase/phosphodiesterase family member 3(ENPP3) ELISA kit

<b>Product Code</b>	CSB-EL007681HU
<b>Abbreviation</b>	ENPP3
<b>Target Name</b>	ectonucleotide pyrophosphatase/phosphodiesterase 3
<b>Uniprot No.</b>	O14638
<b>Alias</b>	RP5-988G15.3, B10, CD203c, NPP3, PD-IBETA, PDNP3, OTTHUMP00000017901 dJ1005H11.3 (phosphodiesterase I/nucleotide pyrophosphatase 3) dJ914N13.3 (phosphodiesterase I/nucleotide pyrophosphatase 3) gp13
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Sample Types</b>	serum, plasma, tissue homogenates, cell lysates
<b>Detection Range</b>	0.156 ng/mL-10 ng/mL
<b>Sensitivity</b>	0.039 ng/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>	Epigenetics and Nuclear Signaling
<b>Gene Names</b>	ENPP3
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human ENPP3 ELISA Kit was designed for the quantitative measurement of Human ENPP3 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/mL.
<b>Target Details</b>	This protein belongs to a series of ectoenzymes that are involved in hydrolysis of extracellular nucleotides. These ectoenzymes possess ATPase and ATP pyrophosphatase activities and are type II transmembrane proteins. Expression of the related rat mRNA has been found in a subset of immature glial cells and in the alimentary tract. The corresponding rat protein has been detected in the



pancreas, small intestine, colon, and liver. The human mRNA is expressed in glioma cells, prostate, and uterus. Expression of the human protein has been detected in uterus, basophils, and mast cells.

## 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 ENPP3 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 %	97
	Range %	93-101
1:2	Average %	99
	Range %	92-105
1:4	Average %	89
	Range %	83-94
1:8	Average %	91
	Range %	87-96

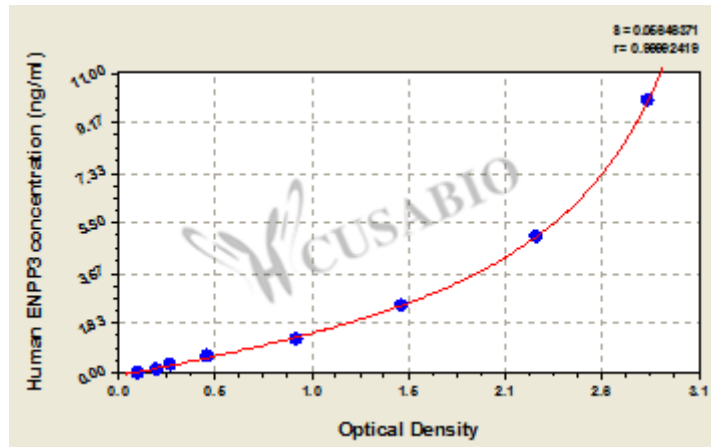
## Recovery

The recovery of human ENPP3 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)	104	98-109
EDTA plasma (n=4)	85	80-90

## Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
10	2.755	2.858	2.807	2.691
5	2.212	2.221	2.217	2.101
2.5	1.537	1.477	1.507	1.391
1.25	0.946	0.954	0.950	0.834
0.625	0.489	0.473	0.481	0.365
0.312	0.289	0.274	0.282	0.166
0.156	0.210	0.218	0.214	0.098
0	0.115	0.116	0.116	?

## Msds

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