



# Human Vasoactive Intestinal Peptide, VIP ELISA Kit

<b>Product Code</b>	CSB-E08354h
<b>Abbreviation</b>	VIP
<b>Target Name</b>	vasoactive intestinal peptide
<b>Uniprot No.</b>	P01282
<b>Alias</b>	MGC13587, PHM27
<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>	15.6 pg/mL-1000 pg/mL
<b>Sensitivity</b>	3.9 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>	Neuroscience
<b>Gene Names</b>	VIP
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human VIP ELISA Kit was designed for the quantitative measurement of Human VIP protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.
<b>Target Details</b>	This protein belongs to the glucagon family. It stimulates myocardial contractility, causes vasodilation, increases glycogenolysis, lowers arterial blood pressure and relaxes the smooth muscle of trachea, stomach and gall bladder. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified.
<b>Product Precision</b>	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 VIP 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 %	87
	Range %	80-95
1:2	Average %	95
	Range %	91-99
1:4	Average %	99
	Range %	92-105
1:8	Average %	92
	Range %	86-100

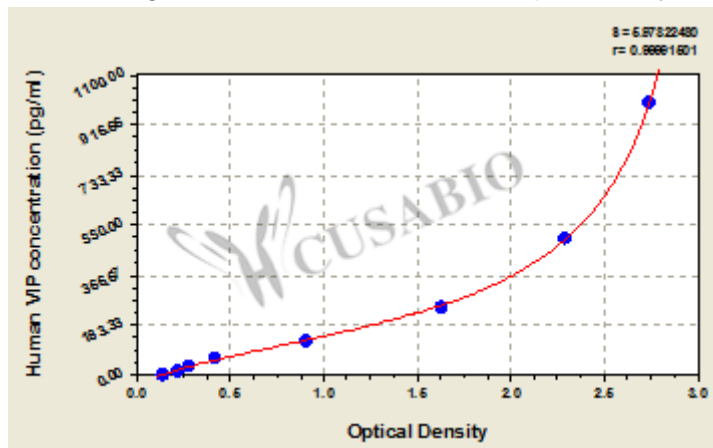
## Recovery

The recovery of human VIP 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)	99	89-105
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
1000	2.795	2.598	2.697	2.547
500	2.320	2.189	2.255	2.105
250	1.644	1.564	1.604	1.454
125	0.913	0.885	0.899	0.749
62.5	0.425	0.416	0.421	0.271
31.25	0.289	0.281	0.285	0.135
15.6	0.227	0.224	0.226	0.076
0	0.151	0.149	0.150	?

## Msds

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