



Human Peptide YY ELISA Kit

Product Code	CSB-E09009h		
Abbreviation	PYY		
Target Name	peptide YY		
Uniprot No.	P10082		
Alias	PYY1,		
Product Type	ELISA Kit		
Immunogen Species	Homo sapiens (Human)		
Sample Types	serum, plasma, urine, tissue homogenates		
Detection Range	62.5 pg/mL-4000 pg/mL		
Sensitivity	15.6 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	Neuroscience		
Gene Names	PYY		
Tag Info	quantitative		
Protein Description	Sandwich		
Description	This Human PYY ELISA Kit was designed for the quantitative measurement of Human PYY protein in serum, plasma, urine, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 pg/mL.		
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 peptide YY in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table> <tr> <td>Sample</td><td>Serum(n=4)</td></tr> </table>	Sample	Serum(n=4)
Sample	Serum(n=4)		



1:1	Average %	91
	Range %	87-97
1:2	Average %	99
	Range %	96-104
1:4	Average %	101
	Range %	95-106
1:8	Average %	95
	Range %	90-98

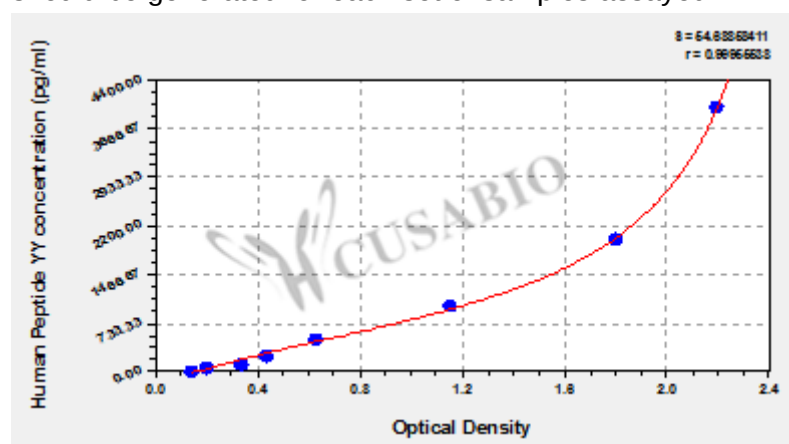
Recovery

The recovery of human peptide YY 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)	91	87-97
EDTA plasma (n=4)	99	93-105

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
4000	2.287	2.112	2.200	2.044
2000	1.850	1.765	1.808	1.652
1000	1.146	1.180	1.163	1.007
500	0.615	0.669	0.642	0.486
250	0.450	0.445	0.448	0.292
125	0.348	0.350	0.349	0.193
62.5	0.224	0.211	0.218	0.062
0	0.157	0.155	0.156	

Msds

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