



Human Septin-2(SEPT2) ELISA kit

Product Code	CSB-EL021025HU
Abbreviation	SEPT2
Protein Biological Process 1	Cell Cycle
Target Name	septin 2
Uniprot No.	Q15019
Alias	DIFF6, KIAA0158, NEDD5, Pnutl3, hNedd5, OTTHUMP00000200251 neural precursor cell expressed, developmentally down-regulated 5
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell cycle
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	25 pg/mL-1600 pg/mL
Sensitivity	6.25 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	SEPT2
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human SEPT2 ELISA Kit was designed for the quantitative measurement of Human SEPT2 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 25 pg/mL-1600 pg/mL and the sensitivity is 6.25 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 SEPT2 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 %	84
	Range %	81-89
1:2	Average %	98
	Range %	93-101
1:4	Average %	83
	Range %	80-86
1:8	Average %	99
	Range %	94-102

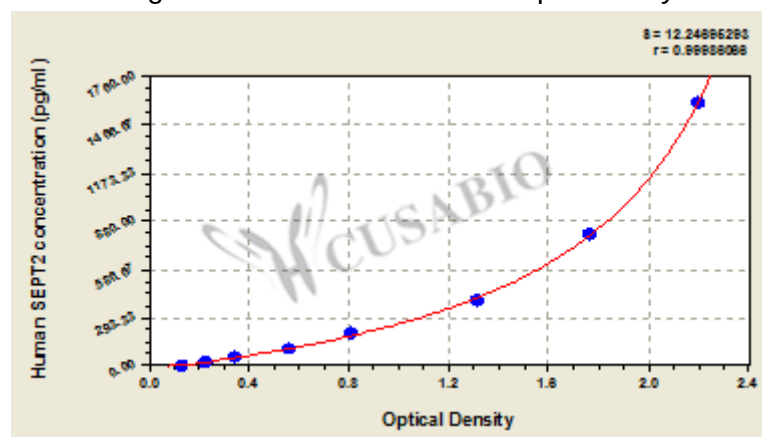
Recovery

The recovery of human SEPT2 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)	108	104-112
EDTA plasma (n=4)	95	91-99

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
1600	2.207	2.247	2.227	2.080
800	1.786	1.798	1.792	1.645
400	1.365	1.308	1.337	1.190
200	0.814	0.842	0.828	0.681
100	0.592	0.568	0.580	0.433
50	0.355	0.367	0.361	0.214
25	0.248	0.238	0.243	0.096
0	0.146	0.148	0.147	

Msds

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