



Human Anosmin-1(KAL1) ELISA kit

Product Code	CSB-EL011978HU
Abbreviation	KAL1
Protein Biological Process 1	Cell Adhesion
Target Name	Kallmann syndrome 1 sequence
Uniprot No.	P23352
Alias	ADMLX, HHA, KAL, KALIG-1, KMS, Kallmann syndrome 1 protein Kallmann syndrome interval gene 1 Kallmann syndrome-1 sequence (anosmin-1) adhesion molecule-like X-linked anosmin-1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 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	Neuroscience
Gene Names	ANOS1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human KAL1 ELISA Kit was designed for the quantitative measurement of Human KAL1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 pg/mL .
Target Details	Mutations in this gene cause the X-linked Kallmann syndrome. The encoded protein is similar in sequence to proteins known to function in neural cell adhesion and axonal migration. In addition, this cell surface protein is N-glycosylated and may have anti-protease activity.
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 KAL1 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 %	91
	Range %	85-97
1:2	Average %	99
	Range %	92-104
1:4	Average %	93
	Range %	87-99
1:8	Average %	89
	Range %	85-94

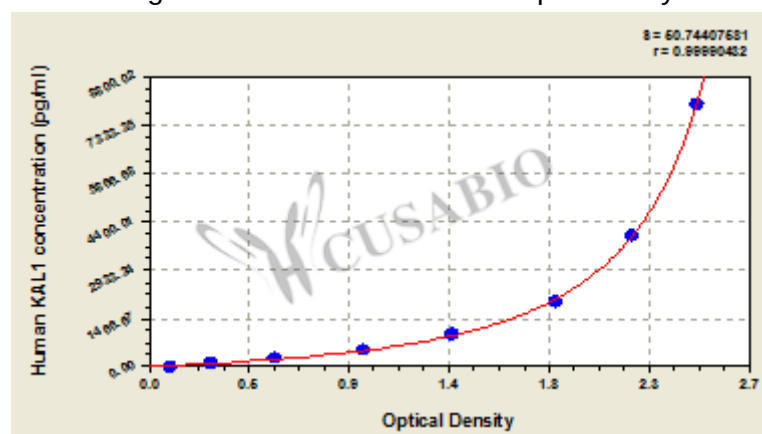
Recovery

The recovery of human KAL1 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)	100	94-104
EDTA plasma (n=4)	96	91-104

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
8000	2.487	2.466	2.477	2.375
4000	2.191	2.180	2.186	2.084
2000	1.828	1.856	1.842	1.740
1000	1.355	1.397	1.376	1.274
500	0.962	0.991	0.977	0.875
250	0.554	0.594	0.574	0.472
125	0.298	0.281	0.290	0.188
0	0.101	0.103	0.102	?

Msds

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EL011978HU.pdf", "filename": "MSDS"}}}