Human Agouti Related Protein,AGRP ELISA Kit

Product Code	CSB-E09299h
Abbreviation	AGRP
Protein Biological Process 1	Cardiovascular
Target Name	agouti related protein homolog (mouse)
Uniprot No.	O00253
Alias	AGRT, ART, ASIP2, MGC118963, agouti related protein
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell culture supernates, urine
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	0.002 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	Cardiovascular
Gene Names	AGRP
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human AGRP ELISA Kit was designed for the quantitative measurement of Human AGRP protein in serum, plasma, cell culture supernates, urine. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 0.002 pg/mL.
Target Details	This gene encodes an antagonist of the melanocortin-3 and melanocortin-4 receptor. It appears to regulate hypothalamic control of feeding behavior via melanocortin receptor and/or intracellular calcium regulation, and thus plays a role in weight homeostasis. Mutations in this gene have been associated with late on-set obesity.
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.

	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3
n	20	20	20	20	20	20
Mean(pg/ml)	210.768	216.753	214.427	219.723	214.721	221.158
SD	0.038	0.055	0.060	0.069	0.054	0.057
CV(%)	4.907	6.905	7.511	8.431	6.726	6.976

Linearity

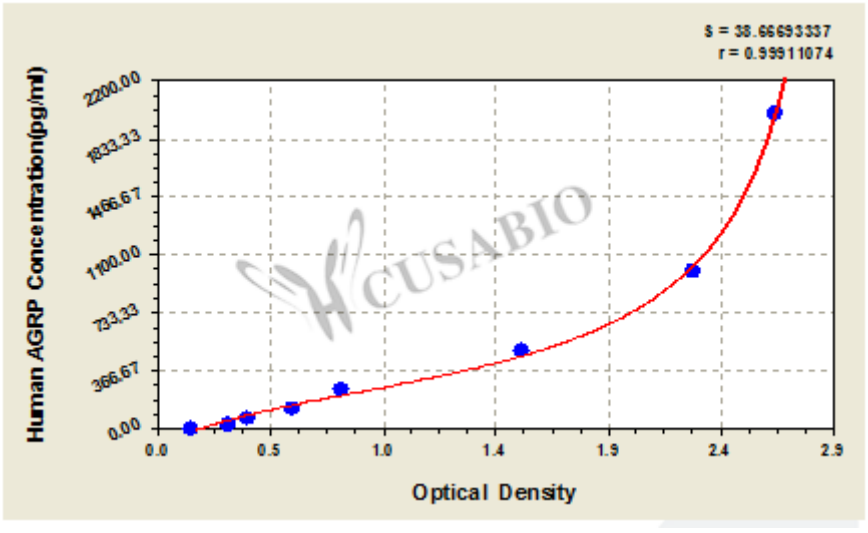
To assess the linearity of the assay, samples were spiked with high concentrations of human AGRP in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	85
	Range %	80-91
1:2	Average %	88
	Range %	82-99
1:4	Average %	90
	Range %	85-97
1:8	Average %	92
	Range %	90-101

	Sample	Urine (n=4)
1:2	Average %	87
	Range %	82-91
1:4	Average %	99
	Range %	86-110
1:8	Average %	93
	Range %	89-101
1:16	Average %	90
	Range %	88-100

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
0	0.144	0.152	0.148	
31.25	0.318	0.296	0.307	0.159
62.5	0.391	0.389	0.390	0.242
125	0.578	0.580	0.579	0.431
250	0.811	0.759	0.785	0.637
500	1.551	1.551	1.551	1.403
1000	2.231	2.314	2.273	2.125
2000	2.623	2.623	2.623	2.475

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E09299h.pdf","filename":"MSDS"}}