



Mouse Agouti-related protein(AGRP) ELISA kit

Product Code	CSB-EL001462MO
Abbreviation	AGRP
Target Name	agouti related protein homolog (mouse)
Uniprot No.	P56473
Alias	AGRT, ART, ASIP2, MGC118963, agouti related protein
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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 Mouse AGRP ELISA Kit was designed for the quantitative measurement of Mouse AGRP 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.
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.



Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse 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)
	Average %	94
1:1	Range %	90-101
	Average %	95
1:2	Range %	89-100
	Average %	93
1:4	Range %	87-99
	Average %	94
1:8	Range %	88-99

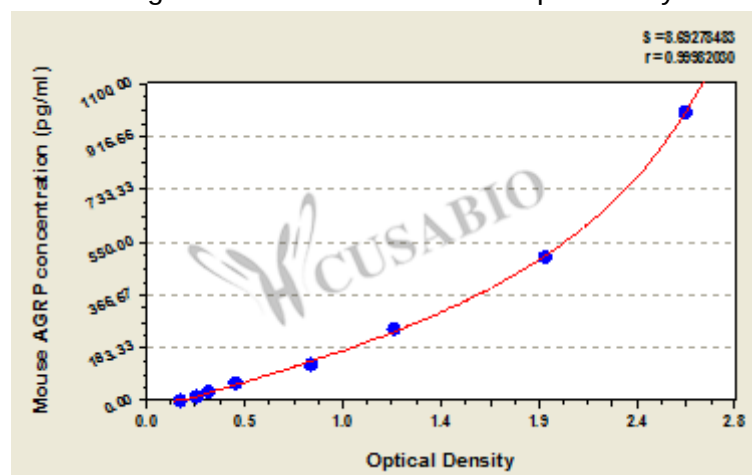
Recovery

The recovery of mouse AGRP 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	85-96
EDTA plasma (n=4)	92	85-97

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	2.594	2.568	2.581	2.404
500	1.925	1.899	1.912	1.735
250	1.213	1.178	1.196	1.019
125	0.807	0.789	0.798	0.621
62.5	0.454	0.424	0.439	0.262
31.2	0.317	0.302	0.310	0.133
15.6	0.264	0.254	0.259	0.082
0	0.178	0.176	0.177	?

Msds

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