



Mouse angiotensinogen (aGT) ELISA Kit

Product Code	CSB-E08566m
Abbreviation	AGT
Target Name	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)
Uniprot No.	P11859
Alias	ANHU, FLJ92595, FLJ97926, SERPINA8, alpha-1 antiproteinase, antitrypsin angiotensin I angiotensin II angiotensinogen pre-angiotensinogen serine (or cysteine) proteinase inhibitor
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	3.12 ng/mL-200 ng/mL
Sensitivity	0.78 ng/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	Agt
Tag Info	quantitative
Protein Description	Sandwich

Description	This Mouse AGT ELISA Kit was designed for the quantitative measurement of Mouse AGT protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 3.12 ng/mL-200 ng/mL and the sensitivity is 0.78 ng/mL.
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Target Details	This protein, pre-angiotensinogen or angiotensinogen precursor, is expressed in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. The protein is involved in maintaining blood pressure and in the pathogenesis of essential hypertension and preeclampsia. Mutations in this gene are associated with susceptibility to essential hypertension, and can cause renal tubular dysgenesis, a severe disorder of renal tubular development. Defects in this gene have also been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.
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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 aGT 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)
1:100	Average %	97
	Range %	92-101
1:200	Average %	102
	Range %	98-110
1:400	Average %	91
	Range %	86-95
1:800	Average %	93
	Range %	89-97

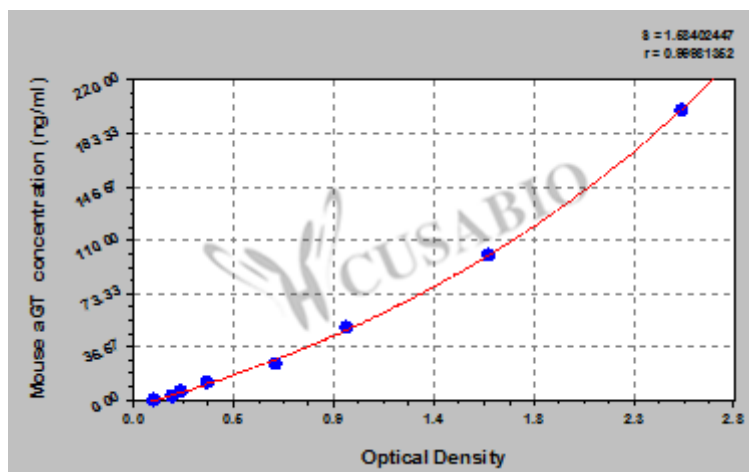
Recovery

The recovery of mouse aGT 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)	89	85-93
EDTA plasma (n=4)	84	80-88

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
200	2.584	2.445	2.515	2.410
100	1.692	1.573	1.633	1.528
50	0.951	1.016	0.984	0.879
25	0.647	0.662	0.655	0.550
12.5	0.359	0.339	0.349	0.244
6.25	0.236	0.221	0.229	0.124
3.12	0.183	0.187	0.185	0.080
0	0.102	0.108	0.105	?

Msds

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