



Rat α 1-Acid glycoprotein(α 1-AGP) ELISA Kit

Product Code	CSB-E12730r
Abbreviation	ORM1
Protein Biological Process 1	Immunity
Target Name	orosomucoid 1
Uniprot No.	P02764
Alias	AGP-A, AGP1, ORM, alpha-1-acid glycoprotein 1, alpha1-AGP
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Acute phase
Sample Types	serum, plasma, urine, cell culture supernates, tissue homogenates
Detection Range	3.125 ng/mL-800 ng/mL
Sensitivity	3.125 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	Immunology
Gene Names	Orm1
Tag Info	quantitative
Protein Description	Competitive
Target Details	This gene encodes a key acute phase plasma protein. Because of its increase due to acute inflammation, this protein is classified as an acute-phase reactant. The specific function of this protein has not yet been determined; however, it may be involved in aspects of immunosuppression.
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 rat α 1-AGP 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)
1:1000	Average %	95
	Range %	85-105
1:2000	Average %	89
	Range %	81-98
1:4000	Average %	90
	Range %	82-97
1:8000	Average %	95
	Range %	83-98

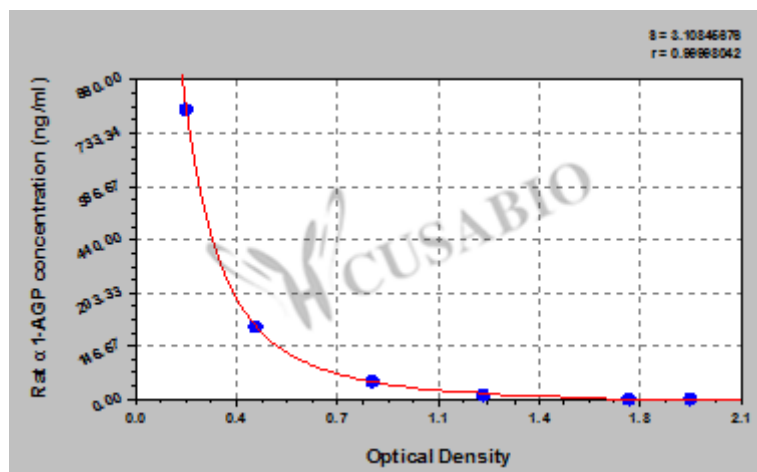
Recovery

The recovery of rat α 1-AGP 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)	95	89-102
EDTA plasma (n=4)	95	90-99

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
800	0.213	0.217	0.215
200	0.459	0.453	0.456
50	0.851	0.859	0.855
12.5	1.226	1.246	1.236
3.125	1.727	1.740	1.734
0	1.935	1.958	1.947