



# Rat Heat shock protein HSP 90-alpha (Hsp90aa1/Hsp86/Hspca) ELISA kit

<b>Product Code</b>	CSB-E08309r
<b>Abbreviation</b>	Hsp90aa1
<b>Protein Biological Process 1</b>	Neurobiology
<b>Target Name</b>	heat shock protein 90kDa alpha (cytosolic), class A member 1
<b>Uniprot No.</b>	P82995
<b>Alias</b>	FLJ31884, HSP86, HSP89A, HSP90A, HSP90N, HSPC1, HSPCA, HSPCAL1, HSPCAL4, HSPN, Hsp89, Hsp90, LAP2, heat shock 90kD protein 1, alpha heat shock 90kD protein 1, alpha-like 4 Heat shock protein HSP 90-alpha
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Protein Biological Process 3</b>	Stress response
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	0.312 ng/mL-20 ng/mL
<b>Sensitivity</b>	0.078 ng/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Neuroscience
<b>Gene Names</b>	Hsp90aa1
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Rat Hsp90aa1 ELISA Kit was designed for the quantitative measurement of Rat Hsp90aa1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL.
<b>Product Precision</b>	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 Hsp90aa1/Hsp86/Hspca 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 %	92
	Range %	87-97
1:2	Average %	96
	Range %	89-103
1:4	Average %	102
	Range %	98-106
1:8	Average %	87
	Range %	81-95

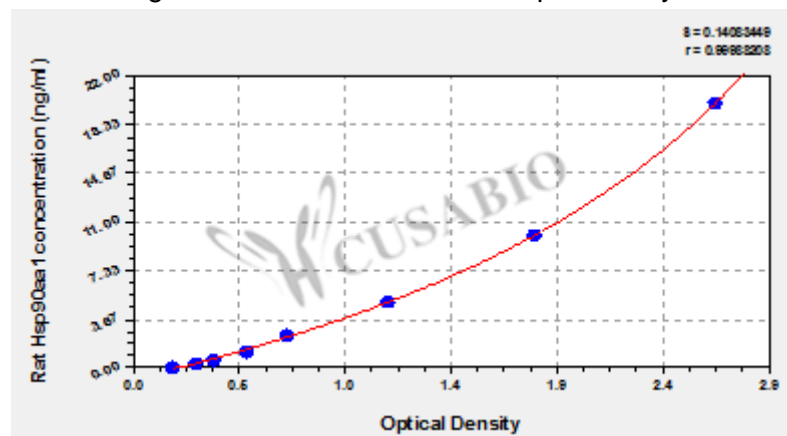
## Recovery

The recovery of rat Hsp90aa1/Hsp86/Hspca 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)	90	87-94
EDTA plasma (n=4)	101	97-105

## 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
20	2.517	2.735	2.626	2.433
10	1.772	1.859	1.816	1.623
5	1.159	1.164	1.162	0.969
2.5	0.680	0.740	0.710	0.517
1.25	0.517	0.539	0.528	0.335
0.625	0.374	0.388	0.381	0.188
0.312	0.290	0.314	0.302	0.109
0	0.189	0.197	0.193	

## Msds

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