



# Rat Neuronal Nitric Oxide Synthase (nNOS/NOS1) ELISA Kit

<b>Product Code</b>	CSB-E14034r
<b>Abbreviation</b>	NOS1
<b>Target Name</b>	nitric oxide synthase 1 (neuronal)
<b>Uniprot No.</b>	P29476
<b>Alias</b>	IHPS1, NOS, nNOS, nitric oxide synthase 1, neuronal
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Sample Types</b>	serum, plasma, cell culture supernates, tissue homogenates, cell lysates
<b>Detection Range</b>	31.25 mIU/mL-2000 mIU/mL
<b>Sensitivity</b>	7.81 mLU/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>	Nos1
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Rat NOS1 ELISA Kit was designed for the quantitative measurement of Rat NOS1 protein in serum, plasma, cell culture supernates, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 mIU/mL-2000 mIU/mL and the sensitivity is 7.81 mLU/mL .
<b>Product Precision</b>	<p>Intra-assay Precision (Precision within an assay): CV%&lt;8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%&lt;10% Three samples of known concentration were tested in twenty assays to assess.</p>
<b>Linearity</b>	To assess the linearity of the assay, samples were spiked with high concentrations of rat nNOS/NOS1 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)
1:5	Average %	93
	Range %	87-97
1:10	Average %	97
	Range %	92-103
1:20	Average %	95
	Range %	91-99
1:40	Average %	95
	Range %	89-101

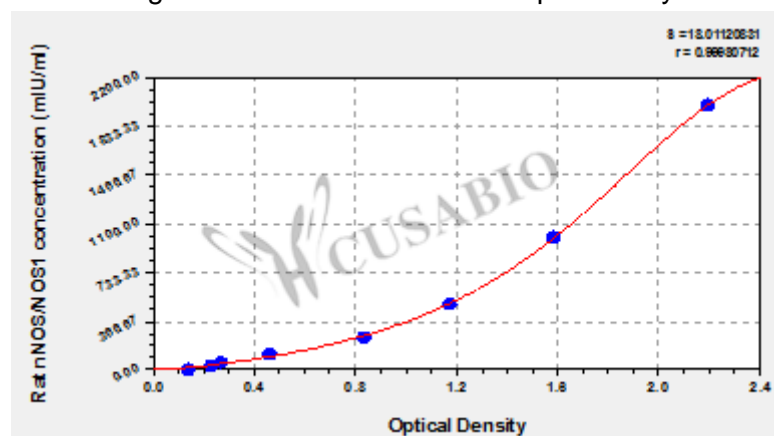
## Recovery

The recovery of rat nNOS/NOS1 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)	88	85-94
EDTA plasma (n=4)	92	89-94

## Typical

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



mIU/ml	OD1	OD2	Average	Corrected
2000	2.159	2.256	2.208	2.055
1000	1.587	1.609	1.598	1.445
500	1.213	1.156	1.185	1.032
250	0.844	0.850	0.847	0.694
125	0.489	0.465	0.477	0.324
62.5	0.285	0.277	0.281	0.128
31.25	0.235	0.253	0.244	0.091
0	0.156	0.150	0.153	?

## Msds

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