Rat inducible nitric oxide synthase,iNOS ELISA KIT

Product Code	CSB-E08325r
Abbreviation	NOS2
Target Name	nitric oxide synthase 2, inducible
Uniprot No.	Q06518
Alias	HEP-NOS, INOS, NOS, NOS2A, NOS, type II|nitric oxide synthase 2A|nitric oxide synthase 2A (inducible, hepatocytes)|nitric oxide synthase, macrophage
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.78 IU/mL-50 IU/mL
Sensitivity	0.195 IU/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	Neuroscience
Gene Names	Nos2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat NOS2 ELISA Kit was designed for the quantitative measurement of Rat NOS2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.78 IU/mL-50 IU/mL and the sensitivity is 0.195 IU/mL .
Target Details	Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17.
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 iNOS 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 %	96
	Range %	90-100
1:2	Average %	94
	Range %	89-99
1:4	Average %	100
	Range %	95-104
1:8	Average %	102
	Range %	98-105

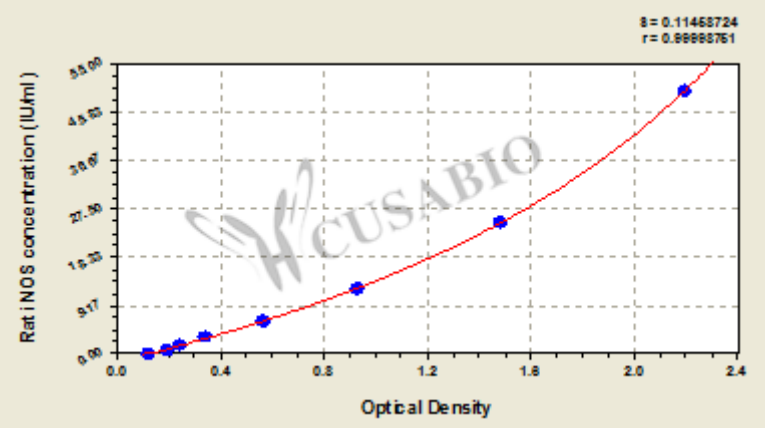
Recovery

The recovery of rat iNOS 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	89-95
EDTA plasma (n=4)	93	89-97

Typical

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



IU/ml.	OD1	OD2	Average	Corrected
50	2.209	2.267	2.238	2.103
25	1.504	1.534	1.519	1.384
12.5	0.954	0.961	0.958	0.823
6.25	0.598	0.575	0.587	0.452
3.12	0.348	0.369	0.359	0.224
1.56	0.254	0.267	0.261	0.126
0.78	0.201	0.211	0.206	0.071
0	0.134	0.136	0.135	?

Msds

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