



Pig inducible nitric oxide synthase(iNOS)ELISA Kit

Product Code	CSB-E17489p
Abbreviation	iNOS
Target Name	inducible nitric oxide synthase(iNOS)
Uniprot No.	P29477
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	Sus scrofa (Pig)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.05 U/mL-40 U/mL
Sensitivity	0.05 U/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	Metabolism
Gene Names	Nos2
Tag Info	quantitative
Protein Description	Sandwich

Description

This Pig iNOS ELISA Kit was designed for the quantitative measurement of Pig iNOS protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.05 U/mL-40 U/mL and the sensitivity is 0.05 U/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 pig 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 %	87
	Range %	81-95
1:8	Average %	93
	Range %	89-99
1:4	Average %	87
	Range %	83-90
1:8	Average %	89
	Range %	84-100

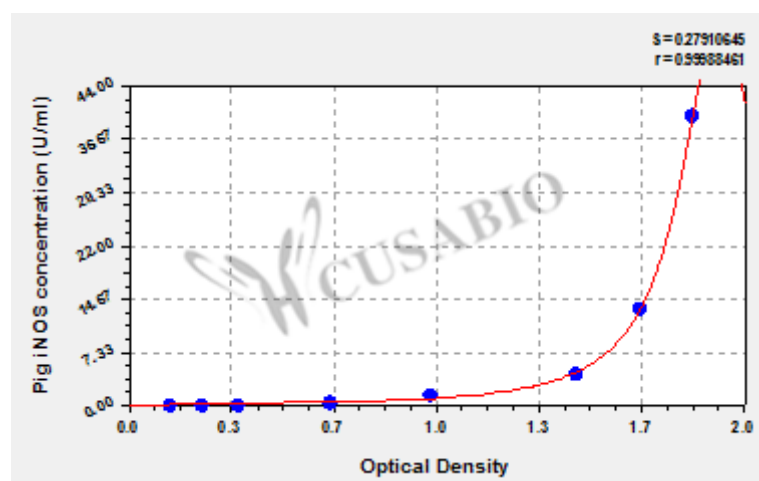
Recovery

The recovery of pig 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)	92	86-100
EDTA plasma (n=4)	93	81-99

Typical

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



U/ml	OD1	OD2	Average	Corrected
40	1.818	1.806	1.812	1.666
13.3	1.652	1.635	1.644	1.498
4.44	1.447	1.429	1.438	1.292
1.48	0.987	0.963	0.975	0.829
0.49	0.665	0.648	0.657	0.511
0.16	0.368	0.355	0.362	0.216
0.05	0.249	0.244	0.247	0.101
0	0.145	0.146	0.146	?

**Msds**

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