

Rat Nitric oxide synthase, inducible ELISA Kit | Nos2 elisa kit

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CATALOG #
AAA195340

REACTIVITY
Rat

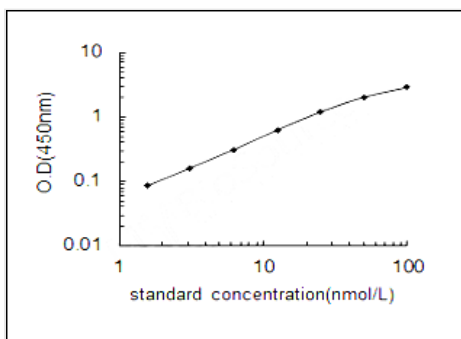
PRODUCT SYNONYMS

Nitric oxide synthase; inducible; Rat Nitric oxide synthase; inducible ELISA Kit; Inducible NO synthase; Inducible NOS; iNOS; NOS type II; Peptidyl-cysteine S-nitrosylase NOS2; Nos2; 1.14.13.39; Nos2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat Nitric oxide synthase, inducible. No significant cross-reactivity or interference was observed.
Sequence Length	1147
Assay Type	Sandwich
Detection Range	1.56-100 nmol/L
Sensitivity	0.78 nmol/L
Intra-Assay CV	<=4.7%
Inter-Assay CV	<=7.1%
Recovery	104%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Nos2 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat nitric oxide synthase, inducible,Nitric oxide synthase, inducible concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Nitric oxide synthase, inducible. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for Nitric oxide synthase, inducible and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Nitric oxide synthase, inducible, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Nitric oxide synthase, inducible in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148298711
NCBI GeneID	24599
NCBI Accession #	NP_036743.3
NCBI GenBank Nucleotide #	NM_012611.3
UniProt Accession #	Q06518; O35765; O35766; O60591; O60604; P97774; Q63267; Q64005; Q64558
Molecular Weight	130,628 Da
NCBI Official Full Name	nitric oxide synthase, inducible
NCBI Official Synonym Full Names	nitric oxide synthase 2
NCBI Official Symbol	Nos2
NCBI Official Synonym Symbols	iNos; Nos2a
NCBI Protein Information	nitric oxide synthase, inducible
UniProt Protein Name	Nitric oxide synthase, inducible
UniProt Gene Name	Nos2
UniProt Synonym Gene Names	Inducible NOS; iNOS
UniProt Entry Name	NOS2_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.