

Rat nitric oxide synthase 1 (neuronal) ELISA Kit | NOS1 elisa kit

Rat Neuronal Nitric Oxide Synthase, nNOS/NOS1 ELISA Kit

CATALOG #
AAA80619

REACTIVITY
Rat

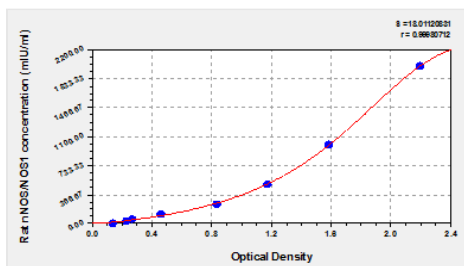
PRODUCT SYNONYMS

nitric oxide synthase 1 (neuronal); Rat Neuronal Nitric Oxide Synthase; nNOS/NOS1 ELISA Kit; Rat Neuronal Nitric Oxide Synthase (nNOS/NOS1) ELISA Kit; IHPS1; NOS; nNOS; nitric oxide synthase 1; neuronal; NOS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat NOS1. No significant cross-reactivity or interference between Rat NOS1 and analogues was observed.
Sequence Length	1435
Samples	Serum, plasma, cell culture supernates, tissue homogenates, Cell lysates
Detection Range	31.25 mIU/ml -2000 mIU/ml
Sensitivity	7.81 mIU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOS1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to nNOS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for nNOS and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain nNOS, 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 nNOS 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 #	126723688
NCBI GeneID	100009243
NCBI Accession #	NP_001075854.1
NCBI GenBank Nucleotide #	NM_001082385.1
UniProt Accession #	O19132
Molecular Weight	160,865 Da
NCBI Official Full Name	nitric oxide synthase, brain
NCBI Official Symbol	NOS1
NCBI Protein Information	nitric oxide synthase, brain; bNOS; nNOS; N-NOS; NC-NOS; NOS type I; neuronal NOS; constitutive NOS; peptidyl-cysteine S-nitrosylase NOS1
UniProt Protein Name	Nitric oxide synthase, brain
UniProt Gene Name	NOS1
UniProt Synonym Gene Names	N-NOS; nNOS
UniProt Entry Name	NOS1_RABIT

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.