

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

Human Neuronal Nitric Oxide Synthase, nNOS ELISA Kit

CATALOG #
AAA79459

REACTIVITY
Human

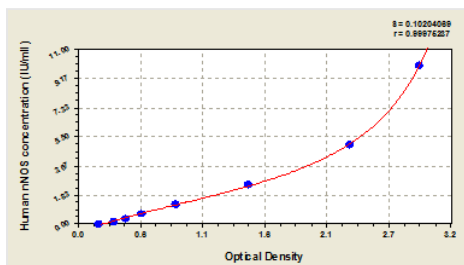
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human nNOS. No significant cross-reactivity or interference between human nNOS and analogues was observed.
Sequence Length	1434
Samples	Serum, plasma, cell culture supernates
Assay Type	Quantitative Sandwich
Detection Range	0.156 IU/ml-10 IU/ml
Sensitivity	< 0.039 IU/ml
Intra-assay 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	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for nNOS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any nNOS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for nNOS is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of nNOS bound in the initial step. The color development is stopped and the intensity of the color is measured.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835173
NCBI GeneID	4842
NCBI Accession #	NP_000611.1
NCBI GenBank Nucleotide #	NM_000620.4
UniProt Accession #	P29475; O75713; E9PH30
Molecular Weight	160,970 Da
NCBI Official Full Name	nitric oxide synthase, brain isoform 1
NCBI Official Synonym Full Names	nitric oxide synthase 1 (neuronal)
NCBI Official Symbol	NOS1
NCBI Official Synonym Symbols	NOS; bNOS; nNOS; IHPS1; N-NOS; NC-NOS
NCBI Protein Information	nitric oxide synthase, brain; 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_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/nos1-human-elisa-kits/nitric-oxide-synthase-1-neuronal/79459>