

Human Nitric oxide synthase, brain ELISA Kit | NOS1/nNOS elisa kit

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CATALOG #
AAA100055

REACTIVITY
Human

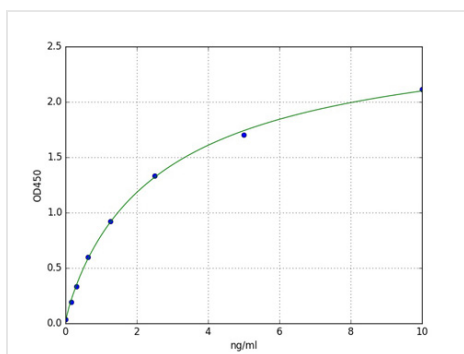
PRODUCT SYNONYMS

Nitric oxide synthase; brain; Human Nitric oxide synthase; brain ELISA Kit; NOS1/bNOS/nNOS/Constitutive NOS/iHPS1/Neuronal NOS/nitric oxide synthase 1 (neuronal)/N-NOS/NOS type I/NOS/Peptidyl-cysteine S-nitrosylase NOS1; NOS1/nNOS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1463
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human NOS1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.022	0.043	0.078	0.139	0.288	0.828	1.653	2.563

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOS1/nNOS elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human NOS1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human NOS1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human NOS1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human NOS1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16258811
NCBI GeneID	24598
NCBI Accession #	NP_434686.1
NCBI GenBank Nucleotide #	NM_052799.1
Molecular Weight	164,430 Da
NCBI Official Full Name	nitric oxide synthase, brain
NCBI Official Synonym Full Names	nitric oxide synthase 1
NCBI Official Symbol	Nos1
NCBI Official Synonym Symbols	bNOS
NCBI Protein Information	nitric oxide synthase, brain
UniProt Protein Name	Nitric oxide synthase, brain
UniProt Gene Name	Nos1
UniProt Synonym Gene Names	Bnos; N-NOS; nNOS
UniProt Entry Name	NOS1_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.

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Online datasheet: <https://stage.aaabiotech.com/nos1-nnos-human-elisa-kits/nitric-oxide-synthase-brain/100055>