

Rat neuronal nitric oxide synthase, NOS, nNOS ELISA Kit | nNOS elisa kit

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CATALOG #
AAA42991

REACTIVITY
Rat

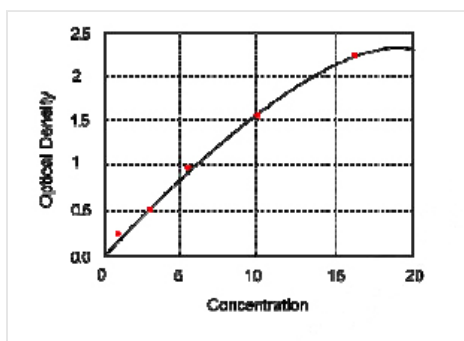
PRODUCT SYNONYMS

neuronal nitric oxide synthase; NOS; nNOS; Rat neuronal nitric oxide synthase; nNOS ELISA Kit; nNOS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	1554
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	20mIU/ml - 4500mIU/ml
Sensitivity	9.33mIU/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for nNOS elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of Rat Neuronal Nitric Oxide Synthase (also known as NOS1/nNOS) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates. Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat NOS1/nNOS antibody. NOS1/nNOS present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat NOS1/nNOS Antibody is added and binds to NOS1/nNOS in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated NOS1/nNOS antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat NOS1/nNOS. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	642518
NCBI GeneID	4842
UniProt Accession #	P29475; O75713; E9PH30
Molecular Weight	148,919 Da
NCBI Official Full Name	neuronal nitric oxide synthase
NCBI Official Synonym Full Names	nitric oxide synthase 1
NCBI Official Symbol	NOS1
NCBI Official Synonym Symbols	NOS; bNOS; nNOS; IHPS1; N-NOS; NC-NOS
NCBI Protein Information	nitric oxide synthase, brain
UniProt Protein Name	Nitric oxide synthase, brain
UniProt Gene Name	NOS1
UniProt Synonym Gene Names	N-NOS; nNOS

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/rat-elisa-kits/neuronal-nitric-oxide-synthase-nos-nnos/42991>