

Mouse Nitric Oxide Synthase 1, Neuronal (NOS1) ELISA Kit | NOS1 elisa kit

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CATALOG #
AAA68434

REACTIVITY
Mouse

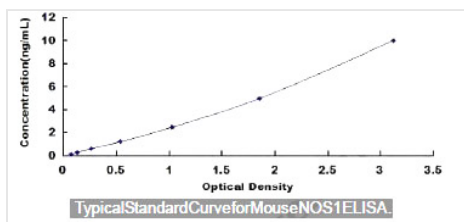
PRODUCT SYNONYMS

Nitric Oxide Synthase 1; Neuronal (NOS1); Mouse Nitric Oxide Synthase 1; Neuronal (NOS1) ELISA Kit; NOS; nNOS; iNOS; NC-NOS; N-NOS; bNOS; Neuronal NOS; Constitutive NOS; NOS type I; Nitric Oxide Synthase; Peptidyl-cysteine S-nitrosylase NOS1; NOS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NOS1. No significant cross-reactivity or interference between NOS1 and analogues was observed.
Sequence Length	1429
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.056ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NOS1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NOS1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOS1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NOS1 in mouse serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NOS1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NOS1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NOS1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of NOS1 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 #	6724321
NCBI GeneID	18125
NCBI Accession #	NP_032738.1
NCBI GenBank Nucleotide #	NM_008712.3
UniProt Accession #	Q9Z0J4; Q3UR10; Q64208
Molecular Weight	164,343 Da
NCBI Official Full Name	nitric oxide synthase, brain
NCBI Official Synonym Full Names	nitric oxide synthase 1, neuronal
NCBI Official Symbol	Nos1
NCBI Official Synonym Symbols	NO; NOS; bNOS; nNOS; N-NOS; NOS-I; Nos-1; NC-NOS; 2310005C01Rik
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/mouse-elisa-kits/nitric-oxide-synthase-1-neuronal-nos1/68434>