

Human Nitric oxide synthase, endothelial ELISA Kit | NOS3/eNOS elisa kit

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CATALOG #
AAA101848

REACTIVITY
Human

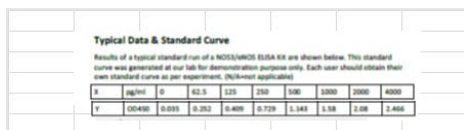
PRODUCT SYNONYMS

Nitric oxide synthase; endothelial; Human Nitric oxide synthase; endothelial ELISA Kit; NOS3/eNOS/Constitutive NOS/ECNOS/endothelial/Endothelial NOS/eNOS/cNOS/nitric oxide synthase 3 (endothelial cell)/NOS type III/NOSIII; NOS3/eNOS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NOS3/eNOS. No significant cross-reactivity or interference between NOS3/eNOS and analogues was observed.
Sequence Length	1205
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NOS3/eNOS were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NOS3/eNOS were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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)

ADDITIONAL INFORMATION

Related Product Information for NOS3/eNOS elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-NOS3/eNOS antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-NOS3/eNOS 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 NOS3/eNOS amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of NOS3/eNOS can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	317008623
NCBI GeneID	287024
NCBI Accession #	NP_851380.2
NCBI GenBank Nucleotide #	NM_181037.3
Molecular Weight	133,287 Da
NCBI Official Full Name	nitric oxide synthase, endothelial
NCBI Official Symbol	NOS3
NCBI Protein Information	nitric oxide synthase, endothelial
UniProt Protein Name	Nitric oxide synthase, endothelial
UniProt Gene Name	NOS3
UniProt Synonym Gene Names	cNOS; eNOS; NOSIII
UniProt Entry Name	NOS3_BOVIN

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/nos3-enos-human-elisa-kits/nitric-oxide-synthase-endothelial/101848>