

Mouse nitric oxide synthase 3 (endothelial cell) ELISA Kit | NOS3 elisa kit

Mouse Endothelial nitric oxide synthase, eNOS ELISA Kit

CATALOG #
AAA79628

REACTIVITY
Mouse

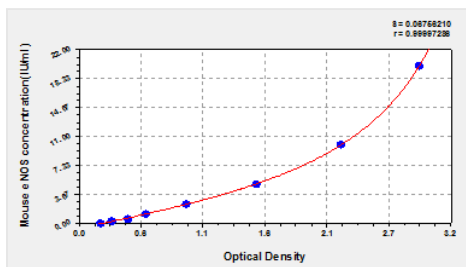
PRODUCT SYNONYMS

nitric oxide synthase 3 (endothelial cell); Mouse Endothelial nitric oxide synthase; eNOS ELISA Kit; ECNOS; eNOS; nitric oxide synthase 3; NOS3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse NOS3. No significant cross-reactivity or interference between Mouse NOS3 and analogues was observed.
Sequence Length	1202
Samples	Serum, plasma, tissue homogenates
Detection Range	0.312 IU/ml-20 IU/ml
Sensitivity	0.078 IU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
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 NOS3 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to eNOS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for eNOS and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain eNOS, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of eNOS 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 #	161086988
NCBI GeneID	18127
NCBI Accession #	NP_032739.3
NCBI GenBank Nucleotide #	NM_008713.4
UniProt Accession #	P70313; O55056; Q7TSV7
Molecular Weight	132,916 Da
NCBI Official Full Name	nitric oxide synthase, endothelial
NCBI Official Synonym Full Names	nitric oxide synthase 3, endothelial cell
NCBI Official Symbol	Nos3
NCBI Official Synonym Symbols	eNOS; Nos-3; ecNOS; 2310065A03Rik
NCBI Protein Information	nitric oxide synthase, endothelial; cNOS; EC-NOS; NOSIII; NOS type III; endothelial NOS; constitutive NOS; endothelial nitric oxide synthase
UniProt Protein Name	Nitric oxide synthase, endothelial
UniProt Gene Name	Nos3
UniProt Synonym Gene Names	Ecnos; cNOS; eNOS; NOSIII
UniProt Entry Name	NOS3_MOUSE

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-mouse-elisa-kits/nitric-oxide-synthase-3-endothelial-cell/79628>