

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

Pig Endothelial nitric oxide synthase, eNOS ELISA Kit

CATALOG #
AAA80218

REACTIVITY
Pig

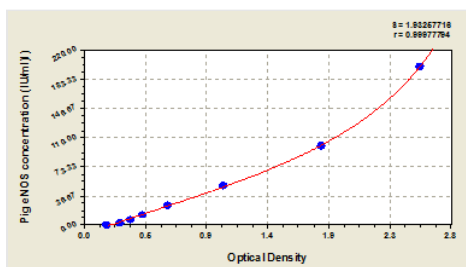
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of Pig NOS3. No significant cross-reactivity or interference between Pig NOS3 and analogues was observed.
Sequence Length	1205
Detection Range	3.12 IU/ml - 200 IU/ml
Sensitivity	0.78 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 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47523660
NCBI GeneID	397557
NCBI Accession #	NP_999460.1
NCBI GenBank Nucleotide #	NM_214295.1
UniProt Accession #	Q28969
Molecular Weight	133,406 Da
NCBI Official Full Name	nitric oxide synthase, endothelial
NCBI Official Symbol	NOS3
NCBI Official Synonym Symbols	cNOS; eNOS; EC-NOS; NOSIII
NCBI Protein Information	nitric oxide synthase, endothelial; NOS type III; endothelial NOS; constitutive NOS
UniProt Protein Name	Nitric oxide synthase, endothelial
UniProt Gene Name	NOS3
UniProt Synonym Gene Names	NOS; cNOS; eNOS; NOSIII
UniProt Entry Name	NOS3_PIG

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/nos3-pig-elisa-kits/nitric-oxide-synthase-3-endothelial-cell/80218>