

Canine Nitric oxide synthase ELISA Kit | NOS elisa kit

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CATALOG #
AAA96851

REACTIVITY
Canine

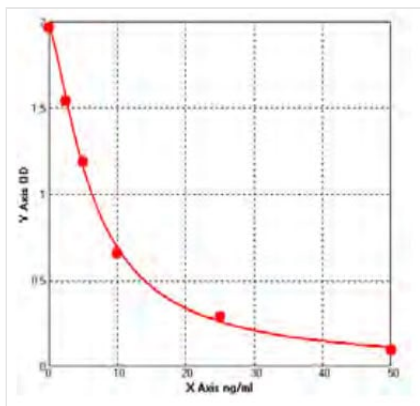
PRODUCT SYNONYMS

Nitric oxide synthase; Canine Nitric oxide synthase ELISA Kit; NOS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of NOS. No significant cross-reactivity or interference between NOS and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NOS and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOS elisa kit	Principle of the Assay: NOS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NOS antibody and an NOS-HRP conjugate. The assay sample and buffer are incubated together with NOS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NOS concentration since NOS from samples and NOS-HRP conjugate compete for the anti-NOS antibody binding site. Since the number of sites is limited, as more sites are occupied by NOS from the sample, fewer sites are left to bind NOS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NOS concentration in each sample is interpolated from this standard curve. Intended Uses: This NOS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine NOS. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for NOS elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4262036
NCBI GeneID	4846
Molecular Weight	67,876 Da
NCBI Official Full Name	nitric oxide synthase, partial
NCBI Official Synonym Full Names	nitric oxide synthase 3 (endothelial cell)
NCBI Official Symbol	NOS3
NCBI Official Synonym Symbols	eNOS; ECNOS
NCBI Protein Information	nitric oxide synthase, endothelial; cNOS; EC-NOS; NOSIII; NOS type III; endothelial NOS; constitutive NOS; nitric oxide synthase 3 transcript variant eNOS-delta20; nitric oxide synthase 3 transcript variant eNOS-delta21; nitric oxide synthase 3 transcript variant eNOS-delta20-21
UniProt Protein Name	Nitric oxide synthase, endothelial
UniProt Gene Name	NOS3
UniProt Synonym Gene Names	cNOS; eNOS; NOSIII
UniProt Entry Name	NOS3_HUMAN

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/nos-canine-elisa-kits/nitric-oxide-synthase/96851>