

Human Nitric oxide synthase ELISA Kit | NOS elisa kit

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CATALOG #
AAA83928

REACTIVITY
Human

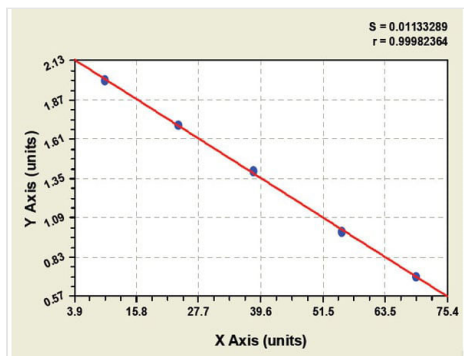
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This NOS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human NOS. This ELISA kit for research use only, not for therapeutic applications!
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 monoclonal 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	295410244
Molecular Weight	35,535 Da
NCBI Official Full Name	NOS, partial
UniProt Protein Name	NOS
UniProt Gene Name	NOS
UniProt Synonym Gene Names	AGAP008255
UniProt Entry Name	D6PYV7_ANOGA

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-human-elisa-kits/nitric-oxide-synthase/83928>