

Rat Nitric oxide synthase ELISA Kit | NOS elisa kit

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CATALOG #
AAA84997

REACTIVITY
Rat

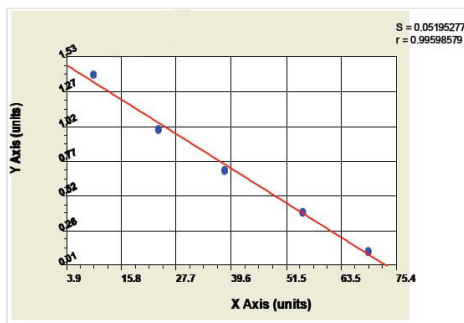
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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 Rat 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.

Product Categories/Family for NOS elisa kit

Neurobiology

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-rat-elisa-kits/nitric-oxide-synthase/84997>