

Rat Endothelial nitric oxide synthase 3 ELISA Kit | ENOS-3 elisa kit

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CATALOG #
AAA85610

REACTIVITY
Rat

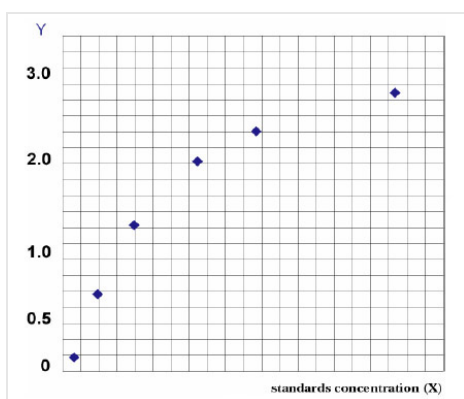
PRODUCT SYNONYMS

Endothelial nitric oxide synthase 3; Rat Endothelial nitric oxide synthase 3 ELISA Kit; ENOS-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENOS-3 elisa kit

Intended Uses: This ENOS-3 ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of ENOS-3 in the sample, this ENOS-3 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus ENOS-3 concentration. The concentration of ENOS-3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This ENOS-3 enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for ENOS-3. Standards or samples are then added to the microtiter plate wells and ENOS-3 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ENOS-3 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ENOS-3 are added to each well to "sandwich" the ENOS-3 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ENOS-3 and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	379975450
Molecular Weight	51,109 Da
NCBI Official Full Name	endothelial nitric oxide synthase 3 isoform 3, partial
UniProt Protein Name	Endothelial nitric oxide synthase 3 isoform 3
UniProt Gene Name	NOS3
UniProt Entry Name	H9CZQ8_CHICK

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/enos-3-rat-elisa-kits/endothelial-nitric-oxide-synthase-3/85610>