

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

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CATALOG #
AAA83766

REACTIVITY
Mouse

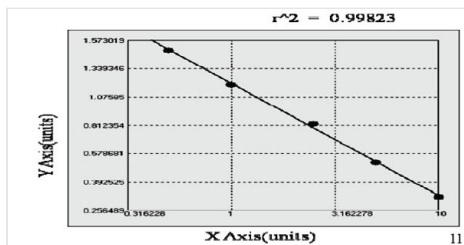
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This eNOS3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse eNOS3. 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 ENOS-3 elisa kit

Principle of the assay: eNOS3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-eNOS3 antibody and an eNOS3-HRP conjugate. The assay sample and buffer are incubated together with eNOS3-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 eNOS3 concentration since eNOS3 from samples and eNOS3-HRP conjugate compete for the anti-eNOS3 antibody binding site. Since the number of sites is limited, as more sites are occupied by eNOS3 from the sample, fewer sites are left to bind eNOS3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The eNOS3 concentration in each sample is interpolated from this standard curve.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/enos-3-mouse-elisa-kits/endothelial-nitric-oxide-synthase-3/83766>