

Human eNOS ELISA Kit | NOS3 elisa kit

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CATALOG #
AAA263323

REACTIVITY
Human

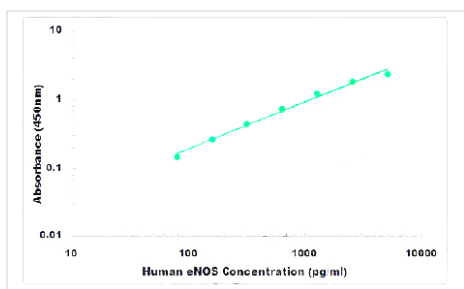
PRODUCT SYNONYMS

eNOS; Human eNOS ELISA Kit; Nitric oxide synthase; endothelial; Constitutive NOS; cNOS; EC-NOS; Endothelial NOS; NOS type III; NOSIII; NOS3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Endothelin 1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Endothelin 1 proteins within the range of 3.9 pg/ml-250 pg/ml.
Sequence Length	614
Samples	Cell Culture Supernatants, Serum, Plasma
Sensitivity	0.5 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOS3 elisa kit

Principle of the Assay: The AAA Biotech' Human Endothelin 1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Endothelin 1 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human Endothelin 1 coated on a 96-well plate. Standards and samples are pipetted into the wells and Endothelin 1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Endothelin 1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Endothelin 1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm!!
Background/Introduction: The endothelins is a family of structurally and pharmacologically distinct peptides, which has been identified and sequenced in humans. Three isoforms of human endothelin have been identified: endothelin-1,-2, and-3. Endothelin-1 is a potent, 21-amino acid vasoconstrictor peptide produced by vascular endothelial cells. Endothelins are 21-amino acid vasoconstricting peptides produced primarily in the endothelium having a key role in vascular homeostasis. Endothelins are implicated in vascular diseases of several organ systems, including the heart, general circulation and brain. Endothelins are proteins that constrict blood vessels and raise blood pressure. They are normally kept in balance by other mechanisms, but when they are over-expressed, they contribute to high blood pressure (hypertension) and heart disease.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254422
NCBI GeneID	4846
NCBI Accession #	NP_000594.2
NCBI GenBank Nucleotide #	NM_000603.4
UniProt Accession #	P29474; Q13662; Q14251; Q14434; Q548C1; Q6GSL5; Q9UDC6; A0S0A7; A0S0A8; A8KA63; B2RCQ1; E9PFR2
Molecular Weight	67,876 Da
NCBI Official Full Name	nitric oxide synthase, endothelial isoform 1
NCBI Official Synonym Full Names	nitric oxide synthase 3
NCBI Official Symbol	NOS3
NCBI Official Synonym Symbols	eNOS; ECNOS
NCBI Protein Information	nitric oxide synthase, endothelial
UniProt Protein Name	Nitric oxide synthase, endothelial
UniProt Gene Name	NOS3
UniProt Synonym Gene Names	cNOS; eNOS; NOSIII

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://www.aaabiotech.com/nos3-human-elisa-kits/enos/263323>