

Human NOSTRIN (Nitric Oxide Synthase Traffic Inducer) ELISA Kit | NOSTRIN elisa kit

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CATALOG #
AAA27622

REACTIVITY
Human

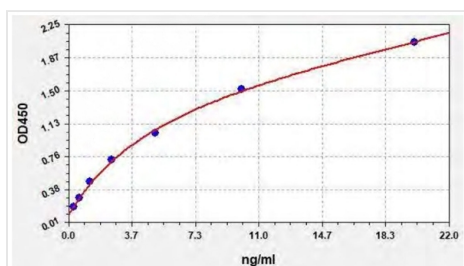
PRODUCT SYNONYMS

NOSTRIN (Nitric Oxide Synthase Traffic Inducer); Human NOSTRIN (Nitric Oxide Synthase Traffic Inducer) ELISA Kit; BM247 homolog; DaIP2; eNOS trafficking inducer; NOSTRIN; NOSTRIN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize NOSTRIN, no obvious cross reaction with other analogues
Sequence Length	478
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOSTRIN elisa kit	Background: NOSTRIN (nitric oxide synthase trafficker isoform 1), also known as endothelial nitric oxide synthase traffic inducer, is a member of the Pombe Cdc15 homology (PCH) family of proteins. NOSTRIN is expressed in the vascular endothelial cells of highly vascularized tissues such as placenta, lung, kidney and heart. NOSTRIN typically exists as a trimer. It functions as an adaptor protein binding to caveolin-1 via an internal domain and NOS3 via its SH3 domain, forming a ternary complex which facilitates caveolar transport of NOS3. The NOS3 protein is responsible for the production of nitric oxide (NO), a potent mediator in various biological processes. The translocation of NOS3 from the plasma membrane to intracellular vesicle-like structures diminishes NO production. NOSTRIN also interacts with Dynamin and N-WASP via its SH3 domain. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti NOSTRIN antibody was precoated onto the 96-well plate. The biotin conjugated anti NOSTRIN antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with NOSTRIN conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of NOSTRIN in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	284172483
NCBI GeneID	115677
NCBI Accession #	NP_001165103.1
NCBI GenBank Nucleotide #	NP_001165103.1
UniProt Accession #	Q8IV19
NCBI Official Full Name	nostrin isoform 3
NCBI Official Synonym Full Names	nitric oxide synthase trafficking
NCBI Official Symbol	NOSTRIN
NCBI Official Synonym Symbols	DaIP2
NCBI Protein Information	nostrin
UniProt Protein Name	Nostrin
UniProt Gene Name	NOSTRIN
UniProt Entry Name	NOSTN_HUMAN

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/human-elisa-kits/nostrin-nitricoxidesynthasetrafficinducer/27622>