

Rat Nitric Oxide Synthase Trafficker (NOSTRIN) ELISA Kit | NOSTRIN elisa kit

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CATALOG #
AAA66150

REACTIVITY
Rat

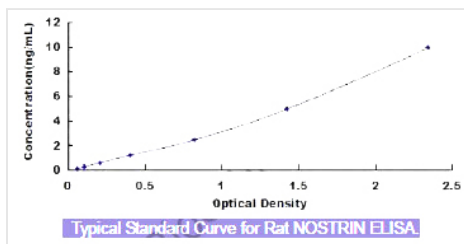
PRODUCT SYNONYMS

Nitric Oxide Synthase Trafficker (NOSTRIN); Rat Nitric Oxide Synthase Trafficker (NOSTRIN) ELISA Kit; BM247 homolog; Nitric oxide synthase traffic inducer; eNOS-trafficking inducer; NOSTRIN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NOSTRIN. No significant cross-reactivity or interference between NOSTRIN and analogues was observed.
Sequence Length	502
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.031ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NOSTRIN were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NOSTRIN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOSTRIN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NOSTRIN in Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NOSTRIN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NOSTRIN. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NOSTRIN, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of NOSTRIN in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66730388
NCBI GeneID	311111
NCBI Accession #	NP_001019431.1
NCBI GenBank Nucleotide #	NM_001024260.1
UniProt Accession #	Q5I0D6; Q923J7
Molecular Weight	57,352 Da
NCBI Official Full Name	nostrin
NCBI Official Synonym Full Names	nitric oxide synthase trafficking
NCBI Official Symbol	Nostrin
NCBI Protein Information	nostrin
UniProt Protein Name	Nostrin
UniProt Gene Name	Nostrin

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/rat-elisa-kits/nitric-oxide-synthase-trafficker-nostrin/66150>