

Rat NOX1 ELISA Kit | NOX 1 elisa kit

Rat NOX1 (Nicotinamide Adenine Dinucleotide Phosphate Oxidase 1) ELISA Kit

CATALOG #
AAA164737

REACTIVITY
Rat

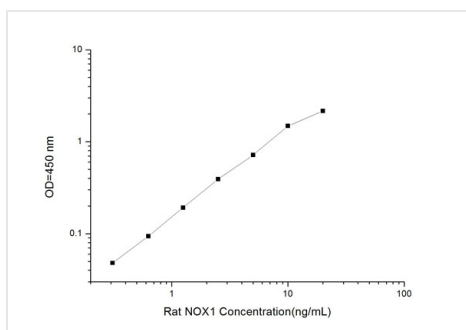
PRODUCT SYNONYMS

NOX1; Rat NOX1 (Nicotinamide Adenine Dinucleotide Phosphate Oxidase 1) ELISA Kit; NOX 1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat NOX1 in samples. No significant cross-reactivity or interference between Rat NOX1 and analogues was observed.
Sequence Length	527
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.31-20ng/mL
Sensitivity	0.19ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat NOX1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat NOX1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOX 1 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat NOX1 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat NOX1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat NOX1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat NOX1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat NOX1. You can calculate the concentration of Rat NOX1 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	425854820
NCBI GeneID	27035
NCBI Accession #	NP_001258744.1
NCBI GenBank Nucleotide #	NM_001271815.1
UniProt Accession #	Q9Y5S8; O95691; Q2PP02; A8K836
Molecular Weight	58,972 Da
NCBI Official Full Name	NADPH oxidase 1 isoform 3
NCBI Official Synonym Full Names	NADPH oxidase 1
NCBI Official Symbol	NOX1
NCBI Official Synonym Symbols	MOX1; NOH1; NOH-1; GP91-2
NCBI Protein Information	NADPH oxidase 1; NADH/NADPH mitogenic oxidase subunit P65-MOX; NADPH oxidase homolog-1; mitogenic oxidase (pyridine nucleotide-dependent superoxide-generating); mitogenic oxidase 1
UniProt Protein Name	NADPH oxidase 1
UniProt Gene Name	NOX1
UniProt Synonym Gene Names	MOX1; NOH1; NOX-1; MOX-1
UniProt Entry Name	NOX1_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.