

Rat NOX4 ELISA Kit | NOX 4 elisa kit

Rat NOX4 (Nicotinamide Adenine Dinucleotide Phosphate Oxidase 4) ELISA Kit

CATALOG #
AAA163866

REACTIVITY
Rat

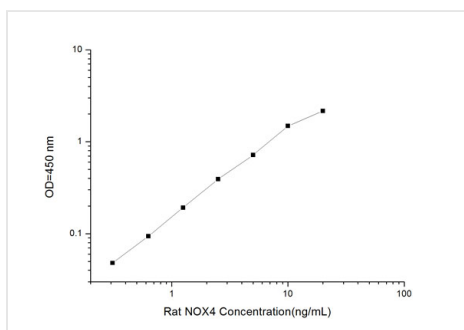
PRODUCT SYNONYMS

NOX4; Rat NOX4 (Nicotinamide Adenine Dinucleotide Phosphate Oxidase 4) ELISA Kit; NOX 4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat NOX4 in samples. No significant cross-reactivity or interference between Rat NOX4 and analogues was observed.
Sequence Length	554
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
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 NOX4 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 NOX4 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 4 elisa kit	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 NOX4. 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 NOX4 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 NOX4, 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 NOX4. You can calculate the concentration of Rat NOX4 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat NOX4 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	219842348
NCBI GeneID	50507
NCBI Accession #	NP_001137309.1
NCBI GenBank Nucleotide #	NM_001143837.1
UniProt Accession #	Q9NPH5; Q5K3R4; Q5K3R5; Q5K3R6; Q5K3R8; Q7Z7G3; Q86V92; A8K715; B7Z520; E7EMD7
Molecular Weight	59,915 Da
NCBI Official Full Name	NADPH oxidase 4 isoform c
NCBI Official Synonym Full Names	NADPH oxidase 4
NCBI Official Symbol	NOX4
NCBI Official Synonym Symbols	KOX; KOX-1; RENOX
NCBI Protein Information	NADPH oxidase 4; kidney oxidase-1; kidney superoxide-producing NADPH oxidase; renal NAD(P)H-oxidase
UniProt Protein Name	NADPH oxidase 4
UniProt Gene Name	NOX4
UniProt Synonym Gene Names	RENOX; KOX-1
UniProt Entry Name	NOX4_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.