

Rat NADPH oxidase 4 ELISA Kit | Nox4 elisa kit

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CATALOG #
AAA192105

REACTIVITY
Rat

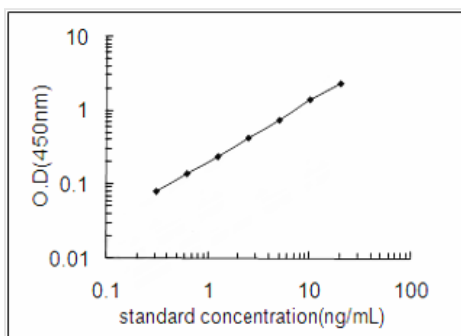
PRODUCT SYNONYMS

NADPH oxidase 4; Rat NADPH oxidase 4 ELISA Kit; Kidney oxidase-1; KOX-1; Kidney superoxide-producing NADPH oxidase; Nox4; Kox; Nox4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat NADPH oxidase 4. No significant cross-reactivity or interference was observed.
Sequence Length	578
Assay Type	Sandwich
Detection Range	0.312-20 ng/mL
Sensitivity	0.16 ng/mL
Intra-Assay CV	<=6.1%
Inter-Assay CV	<=8.4%
Recovery	89%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Nox4 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat NADPH oxidase 4 concentrations in serum, Plasma, tissue homogenates and 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 NADPH oxidase 4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for NADPH oxidase 4 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain NADPH oxidase 4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of NADPH oxidase 4 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 #	16758288
NCBI GeneID	85431
NCBI Accession #	NP_445976.1
NCBI GenBank Nucleotide #	NM_053524.1
UniProt Accession #	Q924V1; Q99M78
Molecular Weight	66,469 Da
NCBI Official Full Name	NADPH oxidase 4
NCBI Official Synonym Full Names	NADPH oxidase 4
NCBI Official Symbol	Nox4
NCBI Protein Information	NADPH oxidase 4
UniProt Protein Name	NADPH oxidase 4
UniProt Gene Name	Nox4
UniProt Synonym Gene Names	Kox; KOX-1
UniProt Entry Name	NOX4_RAT

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/nox4-rat-elisa-kits/nadph-oxidase-4/192105>