

Rat NADPH oxidase 1 ELISA Kit | Nox1 elisa kit

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CATALOG #
AAA193129

REACTIVITY
Rat

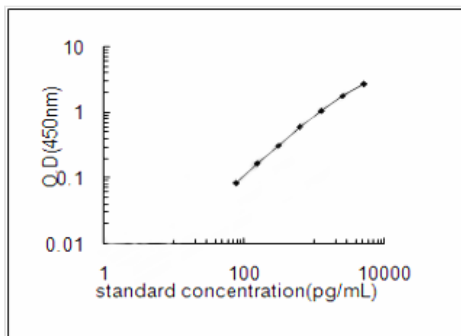
PRODUCT SYNONYMS

NADPH oxidase 1; Rat NADPH oxidase 1 ELISA Kit; NOX-1; Mitogenic oxidase 1; MOX-1; NADH/NADPH mitogenic oxidase subunit P65-MOX; NOH-1; Nox1; Mox1; Noh1; Nox1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat NOX-1. No significant cross-reactivity or interference was observed.
Sequence Length	563
Assay Type	Sandwich
Detection Range	78-5000 pg/mL
Sensitivity	39.8 pg/mL
Intra-Assay CV	<=7.8%
Inter-Assay CV	<=9.6%
Recovery	99%
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 Nox1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat nadph oxidase 1,NOX-1 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 NOX-1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for NOX-1 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 NOX-1, 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 NOX-1 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 #	16758500
NCBI GeneID	114243
NCBI Accession #	NP_446135.1
NCBI GenBank Nucleotide #	NM_053683.1
UniProt Accession #	Q9WV87
Molecular Weight	65,177 Da
NCBI Official Full Name	NADPH oxidase 1
NCBI Official Synonym Full Names	NADPH oxidase 1
NCBI Official Symbol	Nox1
NCBI Protein Information	NADPH 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_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.