

Mouse NADPH oxidase 1 ELISA Kit | Nox1 elisa kit

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CATALOG #
AAA101902

REACTIVITY
Mouse

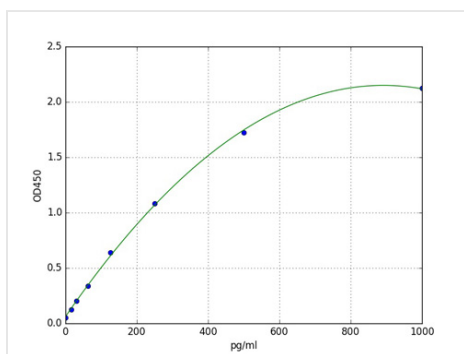
PRODUCT SYNONYMS

NADPH oxidase 1; Mouse NADPH oxidase 1 ELISA Kit; Nox1/NOH-1/Mitogenic oxidase 1 (MOX-1)/NADH/NADPH mitogenic oxidase subunit P65-MOX/Nicotinamide Adenine Dinucleotide Phosphate Oxidase 1; Nox1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	563
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Mouse Nox1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	15.6	31.2	62.5	125	250	500	1000
Y	OD450	0.006	0.069	0.154	0.250	0.374	0.560	1.983	2.482

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Nox1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mouse Nox1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse Nox1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse Nox1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse Nox1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758500
NCBI GeneID	114243
NCBI Accession #	NP_446135.1
NCBI GenBank Nucleotide #	NM_053683.1
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.

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Online datasheet: <https://stage.aaabiotech.com/nox1-mouse-elisa-kits/nadph-oxidase-1/101902>