

Mouse Nicotinamide Adenine Dinucleotide Phosphate Oxidase 1 ELISA Kit | NOX1 elisa kit

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CATALOG #
AAA83072

REACTIVITY
Mouse

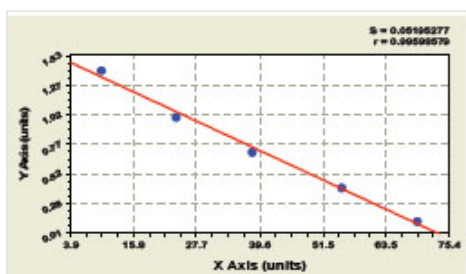
PRODUCT SYNONYMS

Nicotinamide Adenine Dinucleotide Phosphate Oxidase 1; Mouse Nicotinamide Adenine Dinucleotide Phosphate Oxidase 1 ELISA Kit; NOX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This NOX1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NOX1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for NOX1 elisa kit

Principle of the Assay: NOX1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NOX1 antibody and an NOX1-HRP conjugate. The assay sample and buffer are incubated together with NOX1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NOX1 concentration since NOX1 from samples and NOX1-HRP conjugate compete for the anti-NOX1 antibody binding site. Since the number of sites is limited, as more sites are occupied by NOX1 from the sample, fewer sites are left to bind NOX1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NOX1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

148536873

NCBI GeneID	27035
NCBI Accession #	NP_008983.2
NCBI GenBank Nucleotide #	NM_007052.4
Molecular Weight	58,972 Da
NCBI Official Full Name	NADPH oxidase 1 isoform 1
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; mitogenic oxidase 1; NADPH oxidase homolog-1; NADH/NADPH mitogenic oxidase subunit P65-MOX; mitogenic oxidase (pyridine nucleotide-dependent superoxide-generating)
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/nox1-mouse-elisa-kits/nicotinamide-adenine-dinucleotide-phosphate-oxidase-1/83072>