

Porcine Nicotinamide Adenine Dinucleotide Phosphate Oxidase 5 ELISA Kit | NOX5 elisa kit

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CATALOG #
AAA97118

REACTIVITY
Porcine

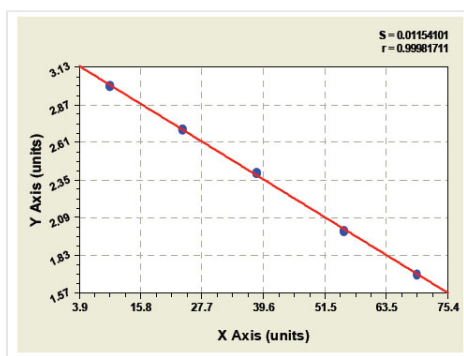
PRODUCT SYNONYMS

Nicotinamide Adenine Dinucleotide Phosphate Oxidase 5; Porcine Nicotinamide Adenine Dinucleotide Phosphate Oxidase 5 ELISA Kit; NOX5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOX5 elisa kit

Intended Uses: This NOX5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine NOX5. This ELISA kit for research use only!

Principle of the Assay: NOX5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NOX5 antibody and an NOX5-HRP conjugate. The assay sample and buffer are incubated together with NOX5-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 NOX5 concentration since NOX5 from samples and NOX5-HRP conjugate compete for the anti-NOX5 antibody binding site. Since the number of sites is limited, as more sites are occupied by NOX5 from the sample, fewer sites are left to bind NOX5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NOX5 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	296278231
NCBI GeneID	79400
NCBI Accession #	NP_001171709.1
NCBI GenBank Nucleotide #	NM_001184780.1
Molecular Weight	83,109 Da
NCBI Official Full Name	NADPH oxidase 5 isoform 3
NCBI Official Synonym Full Names	NADPH oxidase, EF-hand calcium binding domain 5
NCBI Official Symbol	NOX5
NCBI Protein Information	NADPH oxidase 5
UniProt Protein Name	NADPH oxidase 5
UniProt Gene Name	NOX5
UniProt Entry Name	NOX5_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.

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Online datasheet: <https://stage.aaabiotech.com/nox5-porcine-elisa-kits/nicotinamide-adenine-dinucleotide-phosphate-oxidase-5/97118>