

Goat Nicotinamide Adenine Dinucleotide Phosphate Oxidase 4 ELISA Kit | NOX4 elisa kit

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CATALOG #
AAA90713

REACTIVITY
Goat

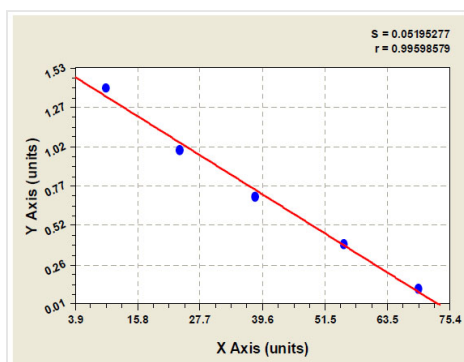
PRODUCT SYNONYMS

Nicotinamide Adenine Dinucleotide Phosphate Oxidase 4; Goat Nicotinamide Adenine Dinucleotide Phosphate Oxidase 4 ELISA Kit; NOX4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This NOX4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat NOX4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample C)

ADDITIONAL INFORMATION

Related Product Information for NOX4 elisa kit

Principle of the Assay: NOX4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NOX4 antibody and an NOX4 -HRP conjugate. The assay sample and buffer are incubated together with NOX4 -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 NOX4 concentration since NOX4 from samples and NOX4 -HRP conjugate compete for the anti-NOX4 antibody binding site. Since the number of sites is limited, as more sites are occupied by NOX4 from the sample, fewer sites are left to bind NOX4 -HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NOX4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for NOX4 elisa kit

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	219842348
NCBI GeneID	50507
NCBI Accession #	NP_001137309.1
NCBI GenBank Nucleotide #	NM_001143837.1
UniProt Accession #	Q9NPH5; Q5K3R4; Q5K3R5; Q5K3R6; Q5K3R8; Q7Z7G3; Q86V92; A8K715
Molecular Weight	66,932 Da
NCBI Official Full Name	NADPH oxidase 4 isoform c
NCBI Official Synonym Full Names	NADPH oxidase 4
NCBI Official Symbol	NOX4
NCBI Official Synonym Symbols	KOX; KOX-1; RENOX
NCBI Protein Information	NADPH oxidase 4; kidney oxidase-1; renal NAD(P)H-oxidase; kidney superoxide-producing NADPH oxidase
UniProt Protein Name	NADPH oxidase 4
UniProt Gene Name	NOX4
UniProt Synonym Gene Names	RENOX; KOX-1
UniProt Entry Name	NOX4_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/nox4-goat-elisa-kits/nicotinamide-adenine-dinucleotide-phosphate-oxidase-4/90713>