

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

Bovine Nicotinamide Adenine Dinucleotide Phosphate Oxidase 4 ELISA Kit

CATALOG #
AAA93327

REACTIVITY
Bovine

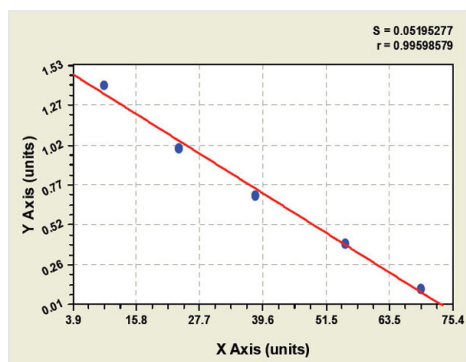
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This NOX4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine 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)

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	219842348
NCBI GeneID	50507
NCBI Accession #	NP_001137309.1
NCBI GenBank Nucleotide #	NM_001143837.1
Molecular Weight	59,915 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/nox4-bovine-ovine-elisa-kits/nicotinamide-adenine-dinucleotide-phosphate-oxidase-4/93327>