

Human NADPH oxidase 4 ELISA Kit | NOX4 elisa kit

Human NADPH oxidase 4, NOX4 ELISA Kit

CATALOG #
AAA18015

REACTIVITY
Human

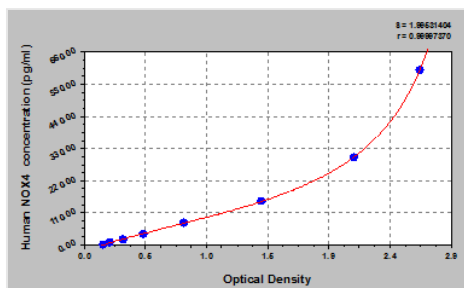
PRODUCT SYNONYMS

NADPH oxidase 4; Human NADPH oxidase 4; NOX4 ELISA Kit; Human NADPH oxidase 4 (NOX4) ELISA kit; KOX; KOX-1; RENOX; kidney superoxide-producing NADPH oxidase; renal NAD (P) H-oxidase; NOX4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human NOX4. No significant cross-reactivity or interference between human NOX4 and analogues was observed.
Sequence Length	538
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	9.38 pg/ml-600 pg/ml
Sensitivity	< 2.34 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOX4 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for NOX4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NOX4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NOX4 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NOX4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	219842346
NCBI GeneID	50507
NCBI Accession #	NP_001137308.1
NCBI GenBank Nucleotide #	NM_001143836.2
UniProt Accession #	Q9NPH5; Q5K3R4; Q5K3R5; Q5K3R6; Q5K3R8; Q7Z7G3; Q86V92; A8K715; B7Z520; E7EMD7
Molecular Weight	66,932 Da
NCBI Official Full Name	NADPH oxidase 4 isoform b
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-human-elisa-kits/nadph-oxidase-4/18015>