

Human NAD (P) H dehydrogenase, quinone 1 ELISA Kit | NQO1 elisa kit

Human NAD (P) H Dehydrogenase, Quinone 1, NQO1 ELISA Kit

CATALOG #
AAA15710

REACTIVITY
Human

PRODUCT SYNONYMS

NAD (P) H dehydrogenase; quinone 1; Human NAD (P) H Dehydrogenase; Quinone 1; NQO1 ELISA Kit; Quinone 1 (NQO1) ELISA Kit; DHQU; DIA4; DTD; NMOR1; NMORI; QR1; DT-diaphorase; NAD (P) H:Quinone acceptor oxidoreductase type 1; NAD (P) H:menadione oxidoreductase 1; NAD (P) H:quinone oxireductase; azoreductase; diaphorase (NADH/NADPH) ; NQO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human NQO1. No significant cross-reactivity or interference between human NQO1 and analogues was observed.
Sequence Length	274
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and cell lysates
Detection Range	39 pg/ml-2500 pg/ml
Sensitivity	< 9.75 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 NQO1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for NQO1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NQO1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NQO1 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 NQO1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505415
NCBI GeneID	1728
NCBI Accession #	NP_000894.1
NCBI GenBank Nucleotide #	NM_000903.2
UniProt Accession #	P15559; Q86UK1; B2R5Y9; B4DNM7; B7ZAD1
Molecular Weight	30,868 Da
NCBI Official Full Name	NAD(P)H dehydrogenase
NCBI Official Synonym Full Names	NAD(P)H dehydrogenase, quinone 1
NCBI Official Symbol	NQO1
NCBI Official Synonym Symbols	DTD; QR1; DHQU; DIA4; NMOR1; NMORI
NCBI Protein Information	NAD(P)H dehydrogenase [quinone] 1; NAD(P)H dehydrogenase [quinone] 1; azoreductase; diaphorase-4; DT-diaphorase; dioxin-inducible 1; menadione reductase; quinone reductase 1; phyloquinone reductase; NAD(P)H:quinone oxidoreductase; NAD(P)H:quinone oxidoreductase 1; NAD(P)H:menadione oxidoreductase 1; NAD(P)H:Quinone acceptor oxidoreductase type 1; diaphorase (NADH/NADPH) (cytochrome b-5 reductase)
UniProt Protein Name	NAD(P)H dehydrogenase [quinone] 1
UniProt Gene Name	NQO1
UniProt Synonym Gene Names	DIA4; NMOR1; DTD; QR1
UniProt Entry Name	NQO1_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/nqo1-human-elisa-kits/nad-p-h-dehydrogenase-quinone-1/15710>