

Human NADH Dehydrogenase subunits 4 ELISA Kit | ND4 elisa kit

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CATALOG #
AAA95412

REACTIVITY
Human

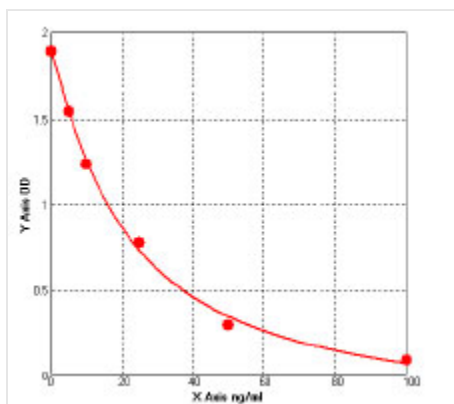
PRODUCT SYNONYMS

NADH Dehydrogenase subunits 4; Human NADH Dehydrogenase subunits 4 ELISA Kit; ND4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ND4. No significant cross-reactivity or interference between ND4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ND4 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ND4 elisa kit	Intended Uses: This ND4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ND4. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ND4 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ND4 antibody and an ND4-HRP conjugate. The assay sample and buffer are incubated together with ND4-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 ND4 concentration since ND4 from samples and ND4-HRP conjugate compete for the anti-ND4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ND4 from the sample, fewer sites are left to bind ND4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ND4 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	37857729
Molecular Weight	51,991 Da
NCBI Official Full Name	NADH dehydrogenase subunits 4 (mitochondrion)
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 4
UniProt Gene Name	ND4
UniProt Entry Name	Q95A16_CONMY

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/nd4-human-elisa-kits/nadh-dehydrogenase-subunits-4/95412>