

Human NADH ubiquinone oxidoreductase chain 6 (MT ND6) ELISA Kit | MT ND6 elisa kit

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CATALOG #
AAA27327

REACTIVITY
Human

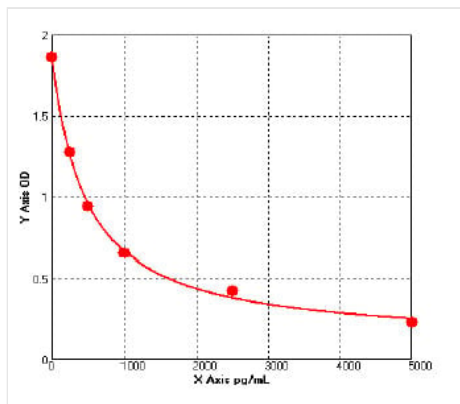
PRODUCT SYNONYMS

NADH ubiquinone oxidoreductase chain 6 (MT ND6); Human NADH ubiquinone oxidoreductase chain 6 (MT ND6) ELISA Kit; MT ND6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MTND6. No significant cross-reactivity or interference between MTND6 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MTND6 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MTND6 elisa kit	Principle of the Assay: MTND6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MTND6 antibody and an MTND6-HRP conjugate. The assay sample and buffer are incubated together with MTND6-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 MTND6 concentration since MTND6 from samples and MTND6-HRP conjugate compete for the anti-MTND6 antibody binding site. Since the number of sites is limited, as more sites are occupied by MTND6 from the sample, fewer sites are left to bind MTND6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MTND6 concentration in each sample is interpolated from this standard curve. Intended Uses: This MTND6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MTND6. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6648060
NCBI GeneID	4541
Molecular Weight	18,622 Da
NCBI Official Full Name	NADH-ubiquinone oxidoreductase chain 6
NCBI Official Synonym Full Names	mitochondrially encoded NADH dehydrogenase 6
NCBI Official Symbol	MT-ND6
NCBI Official Synonym Symbols	MTND6; ND6
NCBI Protein Information	NADH dehydrogenase, subunit 6 (complex I); NADH dehydrogenase subunit 6
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 6
UniProt Gene Name	MT-ND6
UniProt Synonym Gene Names	MTND6; NADH6; ND6
UniProt Entry Name	NU6M_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/human-elisa-kits/nadh-ubiquinone-oxidoreductase-chain-6-mt-nd6/27327>