

Human NADH-Ubiquinone Oxidoreductase Chain 5 (MT-ND5) ELISA Kit | MT-ND5 elisa kit

Human NADH-Ubiquinone Oxidoreductase Chain 5 (MT-ND5) ELISA Kit

CATALOG #
AAA331647

REACTIVITY
Human

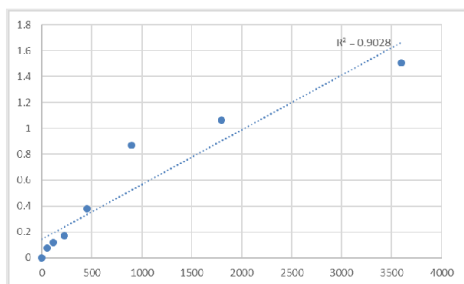
PRODUCT SYNONYMS

NADH-Ubiquinone Oxidoreductase Chain 5 (MT-ND5); Human NADH-Ubiquinone Oxidoreductase Chain 5 (MT-ND5) ELISA Kit; MT-ND5; MTND5; NADH dehydrogenase subunit 5; MT-ND5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human NADH-ubiquinone oxidoreductase chain 5 (MT-ND5) ELISA Kit has high sensitivity and excellent specificity for detection of Human MT-ND5. No significant cross-reactivity or interference between Human MT-ND5 and analogues was observed.
Sequence Length	606
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human NADH-ubiquinone oxidoreductase chain 5 (MT-ND5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MT-ND5 elisa kit	Description: This Human NADH-ubiquinone oxidoreductase chain 5 (MT-ND5) ELISA Kit employs a two-site sandwich ELISA to quantitate MT-ND5 in samples. An antibody specific for MT-ND5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MT-ND5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MT-ND5 is added to the wells. After washing, Streptavidin 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 MT-ND5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MT-ND5 (Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 5) is a Protein Coding gene. Diseases associated with MT-ND5 include Leber Optic Atrophy and Leigh Syndrome. Among its related pathways are Metabolism and Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins.. GO annotations related to this gene include NADH dehydrogenase (ubiquinone) activity. Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone (By similarity).
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	28381381
UniProt Accession #	P03920
NCBI Official Full Name	NADH-ubiquinone oxidoreductase chain 5
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 5
UniProt Gene Name	MT-ND5
UniProt Synonym Gene Names	MTND5; NADH5; ND5
UniProt Entry Name	NU5M_BOVIN

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/human-elisa-kits/nadh-ubiquinone-oxidoreductase-chain-5-mt-nd5/331647>