

Human NADH-Ubiquinone Oxidoreductase Chain 2 (MT-ND2) ELISA Kit | MT-ND2 elisa kit

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CATALOG #
AAA331651

REACTIVITY
Human

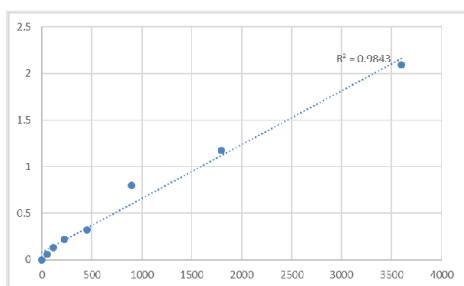
PRODUCT SYNONYMS

NADH-Ubiquinone Oxidoreductase Chain 2 (MT-ND2); Human NADH-Ubiquinone Oxidoreductase Chain 2 (MT-ND2) ELISA Kit; MT-ND2; MTND2; NADH dehydrogenase subunit 2; MT-ND2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human NADH-ubiquinone oxidoreductase chain 2 (MT-ND2) ELISA Kit has high sensitivity and excellent specificity for detection of Human MT-ND2. No significant cross-reactivity or interference between Human MT-ND2 and analogues was observed.
Sequence Length	347
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 2 (MT-ND2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MT-ND2 elisa kit	Description: This Human NADH-ubiquinone oxidoreductase chain 2 (MT-ND2) ELISA Kit employs a two-site sandwich ELISA to quantitate MT-ND2 in samples. An antibody specific for MT-ND2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MT-ND2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MT-ND2 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-ND2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MT-ND2 (Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 2) is a Protein Coding gene. Diseases associated with MT-ND2 include Leber Optic Atrophy and Alzheimer Disease Mitochondrial. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	251831108
NCBI GeneID	4536
NCBI Accession #	YP_003024027.1
NCBI GenBank Nucleotide #	YP_003024027.1
UniProt Accession #	P03891
NCBI Official Full Name	NADH dehydrogenase subunit 2 (mitochondrion)
NCBI Official Synonym Full Names	mitochondrially encoded NADH dehydrogenase 2
NCBI Official Symbol	MT-ND2
NCBI Official Synonym Symbols	MTND2; ND2
NCBI Protein Information	MTND2
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 2
UniProt Gene Name	MT-ND2
UniProt Synonym Gene Names	MTND2; NADH2; ND2
UniProt Entry Name	NU2M_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.