

Human mitochondrially encoded NADH dehydrogenase 6 ELISA Kit | MT-ND6 elisa kit

Human NADH-ubiquinone oxidoreductase chain 6, MT-ND6 ELISA Kit

CATALOG #
AAA18304

REACTIVITY
Human

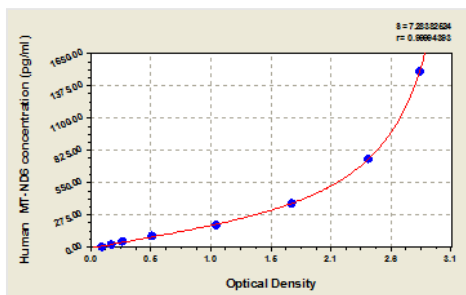
PRODUCT SYNONYMS

mitochondrially encoded NADH dehydrogenase 6; Human NADH-ubiquinone oxidoreductase chain 6; MT-ND6 ELISA Kit; Human NADH-ubiquinone oxidoreductase chain 6 (MT-ND6) ELISA kit; MTND6; NADH dehydrogenase subunit 6; MT-ND6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human MT-ND6. No significant cross-reactivity or interference between human MT-ND6 and analogues was observed.
Sequence Length	174
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	23.44 pg/ml-1500 pg/ml
Sensitivity	< 5.86 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 MT-ND6 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MT-ND6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MT-ND6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MT-ND6 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 MT-ND6 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	251831118
NCBI GeneID	4541
NCBI Accession #	YP_003024037.1
NCBI GenBank Nucleotide #	NC_012920.1
UniProt Accession #	P03923; Q34774; Q8HG30
Molecular Weight	18,622 Da
NCBI Official Full Name	NADH dehydrogenase subunit 6 (mitochondrion)
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/mt-nd6-human-elisa-kits/mitochondrially-encoded-nadh-dehydrogenase-6/18304>