

Human NADH ubiquinone oxidoreductase chain 4L (MT ND4L) ELISA Kit | MT ND4L elisa kit

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CATALOG #
AAA245610

REACTIVITY
Human

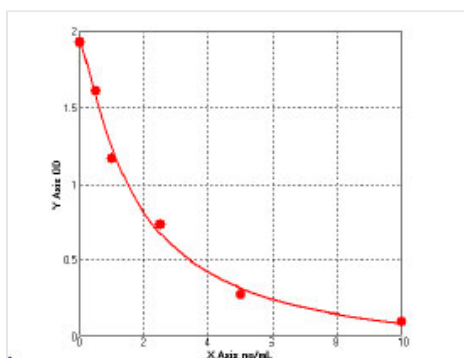
PRODUCT SYNONYMS

NADH ubiquinone oxidoreductase chain 4L (MT ND4L); Human NADH ubiquinone oxidoreductase chain 4L (MT ND4L) ELISA Kit; MT ND4L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT ND4L elisa kit

Intended Uses: This MT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse MT. This ELISA kit for research use only!

Principle of the Assay: MT ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MT antibody and an MT-HRP conjugate. The assay sample and buffer are incubated together with MT-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 MT concentration since MT from samples and MT-HRP conjugate compete for the anti-MT antibody binding site. Since the number of sites is limited, as more sites are occupied by MT from the sample, fewer sites are left to bind MT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MT concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	128888
NCBI GeneID	4539
Molecular Weight	10,741 Da
NCBI Official Full Name	NADH-ubiquinone oxidoreductase chain 4L
NCBI Official Synonym Full Names	mitochondrially encoded NADH 4L dehydrogenase
NCBI Official Symbol	MT-ND4L
NCBI Official Synonym Symbols	MTND4L; ND4L
NCBI Protein Information	NADH dehydrogenase, subunit 4L (complex I); NADH dehydrogenase subunit 4L
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 4L
UniProt Gene Name	MT-ND4L
UniProt Synonym Gene Names	MTND4L; NADH4L; ND4L
UniProt Entry Name	NU4LM_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-4l-mt-nd4l/245610>