

Rat NADH-ubiquinone oxidoreductase chain 5 ELISA Kit | Mtnd5 elisa kit

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CATALOG #
AAA56203

REACTIVITY
Rat

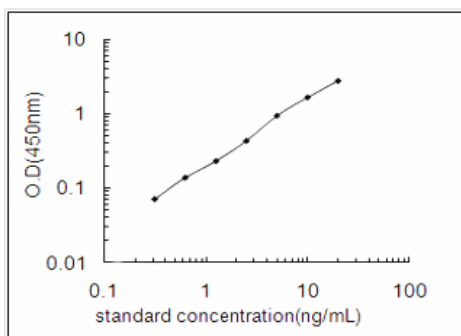
PRODUCT SYNONYMS

NADH-ubiquinone oxidoreductase chain 5; Rat NADH-ubiquinone oxidoreductase chain 5 ELISA Kit; Mtnd5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat NADH-ubiquinone oxidoreductase chain 5. No significant cross-reactivity or interference was observed.
Sequence Length	692
Assay Type	Sandwich
Detection Range	0.312-20 ng/ml
Sensitivity	0.168 ng/mL
Intra-Assay CV	<=4.8%
Inter-Assay CV	<=8.2%
Recovery	105%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Mtnd5 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NADH-ubiquinone oxidoreductase chain 5. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for NADH-ubiquinone oxidoreductase chain 5 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain NADH-ubiquinone oxidoreductase chain 5, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of NADH-ubiquinone oxidoreductase chain 5 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110189673
NCBI GeneID	7066257
NCBI Accession #	AP_004902.1
NCBI GenBank Nucleotide #	AC_000022.2
UniProt Accession #	P11661
Molecular Weight	68,618 Da
NCBI Official Full Name	NADH dehydrogenase subunit 5 (mitochondrion)
UniProt Protein Name	NADH-ubiquinone oxidoreductase chain 5
UniProt Gene Name	Mtnd5
UniProt Synonym Gene Names	mt-Nd5; Nd5
UniProt Entry Name	NU5M_RAT

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/mtnd5-rat-elisa-kits/nadh-ubiquinone-oxidoreductase-chain-5/56203>