

Mouse Mtco1 (Cytochrome c oxidase subunit 1) ELISA Kit | Mtco1 elisa kit

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CATALOG #
AAA250828

REACTIVITY
Mouse

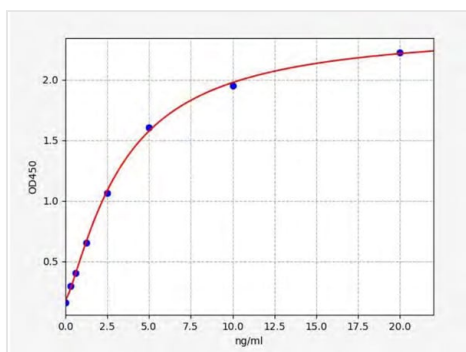
PRODUCT SYNONYMS

Mtco1 (Cytochrome c oxidase subunit 1); Mouse Mtco1 (Cytochrome c oxidase subunit 1) ELISA Kit; Mtco1; Cytochrome c oxidase subunit 1; Mtco1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize Mtco1, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Mtco1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti Mtco1 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti Mtco1 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with Mtco1 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of Mtco1 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116982
UniProt Accession #	P00397
Molecular Weight	56,862 Da
NCBI Official Full Name	Cytochrome c oxidase subunit 1
UniProt Protein Name	Cytochrome c oxidase subunit 1
UniProt Gene Name	Mtco1
UniProt Synonym Gene Names	COI; mt-Co1
UniProt Entry Name	COX1_MOUSE

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://www.aaabiotech.com/mouse-elisa-kits/mtco1-cytochrome-c-oxidase-subunit-1/250828>