

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

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CATALOG #
AAA56323

REACTIVITY
Mouse

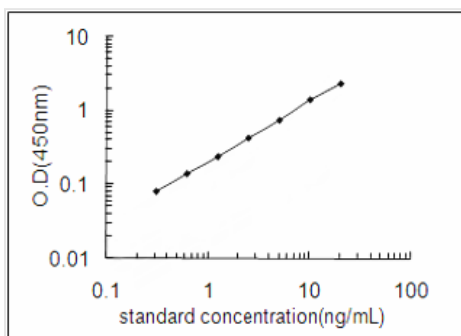
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes recombinant and natural mouse Cytochrome c oxidase subunit 1. No significant cross-reactivity or interference was observed.
Sequence Length	558
Assay Type	Sandwich
Detection Range	0.312-20 ng/mL
Sensitivity	15.66 pg/mL
Intra-Assay CV	<=5.6%
Inter-Assay CV	<=8.4%
Recovery	90%
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 Mtco1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cytochrome c oxidase subunit 1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Cytochrome c oxidase subunit 1 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 Cytochrome c oxidase subunit 1, 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 Cytochrome c oxidase subunit 1 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 #	34538600
NCBI GeneID	17708
NCBI Accession #	NP_904330.1
NCBI GenBank Nucleotide #	NC_005089.1
UniProt Accession #	P00397; Q9MD68
Molecular Weight	56,910 Da
NCBI Official Full Name	cytochrome c oxidase subunit I (mitochondrion)
NCBI Official Synonym Full Names	cytochrome c oxidase I, mitochondrial
NCBI Official Symbol	mt-Co1
NCBI Official Synonym Symbols	CoxI; COX1
NCBI Protein Information	cytochrome c oxidase subunit I
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://stage.aaabiotech.com/mtco1-mouse-elisa-kits/cytochrome-c-oxidase-subunit-1/56323>