

Rat Cytochrome c oxidase subunit 3 ELISA Kit | Mtco3 elisa kit

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CATALOG #
AAA56108

REACTIVITY
Rat

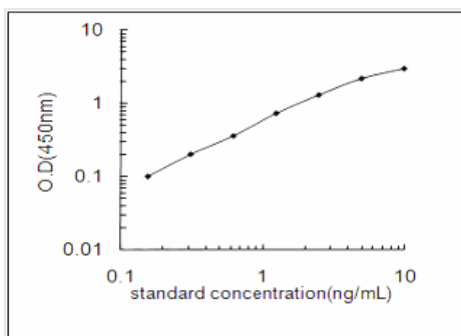
PRODUCT SYNONYMS

Cytochrome c oxidase subunit 3; Rat Cytochrome c oxidase subunit 3 ELISA Kit; Mtco3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat Cytochrome c oxidase subunit 3. No significant cross-reactivity or interference was observed.
Sequence Length	265
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.084 ng/mL
Intra-Assay CV	<=4.9%
Inter-Assay CV	<=8.3%
Recovery	106%
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 Mtco3 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 3. 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 3 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 3, 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 3 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 #	110189669
NCBI GeneID	7066253
NCBI Accession #	AP_004898.1
NCBI GenBank Nucleotide #	AC_000022.2
UniProt Accession #	P05505
Molecular Weight	29,871 Da
NCBI Official Full Name	cytochrome c oxidase subunit III (mitochondrion)
UniProt Protein Name	Cytochrome c oxidase subunit 3
UniProt Gene Name	Mtco3
UniProt Synonym Gene Names	Coiij; mt-Co3
UniProt Entry Name	COX3_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/mtco3-rat-elisa-kits/cytochrome-c-oxidase-subunit-3/56108>