

Mitochondrial Complex IV (Cytochrome C Oxidase) Assay Kit

Mitochondrial Complex IV (Cytochrome C Oxidase) Activity Assay Kit

CATALOG #
AAA178096

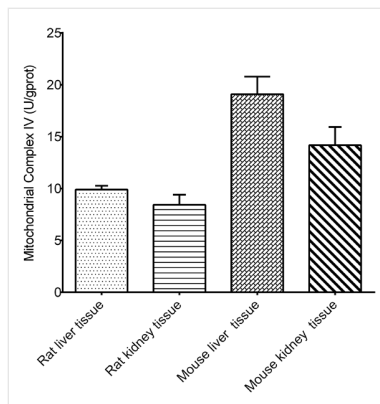
PRODUCT SYNONYMS

Mitochondrial Complex IV (Cytochrome C Oxidase); Mitochondrial Complex IV (Cytochrome C Oxidase) Activity Assay Kit; Mitochondrial Complex IV (Cytochrome C Oxidase) assay kit

PRODUCT SPECIFICATIONS

Specificity	48T (Can detect 46 samples without duplication)
Form/Format	Anhydrous ethanol, PBS(0.01 M, pH 7.4)
Detection Range	3.0-88.6 U/L
Sensitivity	3.0 U/L
Intra-assay Precision	The intra-assay CV is 5.0%.
Inter-assay Precision	The inter-assay CV is 9.5%.
Preparation and Storage	Store at -20 degree C

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for Mitochondrial Complex IV (Cytochrome C Oxidase) assay kit

Principle of the Assay: Mitochondrial complex IV, also known as cytochrome C oxidase, is one of the major enzymes in the mitochondrial respiratory chain. It oxidizes the reduced cytochrome C converted from mitochondrial complex III to oxidized cytochrome C and consumes oxygen to generate water. Mitochondrial complex IV can catalyze the oxidation of reduced cytochrome C to oxidized cytochrome C, which has an absorption wavelength at 550 nm. Therefore, the activity of mitochondrial complex IV can be quantified by measure the change OD value at 550 nm.

Product Categories/Family for Mitochondrial Complex IV (Cytochrome C Oxidase) assay kit

[Metabolism assay kit](#); [Enzymes](#); [Tricarboxylic Acid\(TCA\) Cycle](#)

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/assay-kits/mitochondrial-complex-iv-cytochrome-c-oxidase/178096>