

Cell Mitochondrial Complex IV (Cytochrome C Oxidase) Assay Kit

Cell Mitochondrial Complex IV (Cytochrome C Oxidase) Activity Assay Kit

CATALOG #
AAA179657

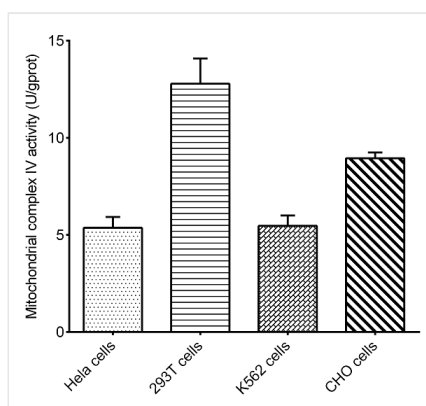
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Assay Type	Enzyme Activity
Samples	cells
Detection Range	0.52-30.9 U/L
Sensitivity	0.52 U/L
Detection Type	Colorimetric method
Detection Instrument	Microplate reader
Precision	Inter CV: 4.0-9.5% Intra CV: 3.0-5.5%
Research Area	Mitochondria Function
Test Principle	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.
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light. Shipping: Ice bag

IMAGES



Application Data

ADDITIONAL INFORMATION

Product Categories/Family for Cell Mitochondrial Complex IV (Cytochrome C Oxidase) assay kit	Cell Metabolism Assays; Mitochondria Function
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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/cell-mitochondrial-complex-iv-cytochrome-c-oxidase/179657>