

Cell Mitochondrial Complex II Assay Kit

Cell Mitochondrial Complex II Activity Assay Kit

CATALOG #
AAA179655

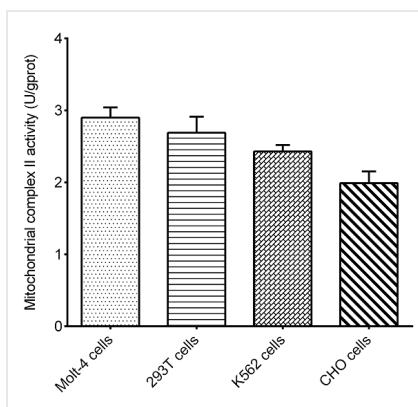
PRODUCT SYNONYMS

Cell Mitochondrial Complex II; Cell Mitochondrial Complex II Activity Assay Kit; succinate-coenzyme Q reductase; Cell Mitochondrial Complex II assay kit

PRODUCT SPECIFICATIONS

Assay Type	Enzyme Activity
Samples	cells
Detection Range	0.54-17.66 U/L
Sensitivity	0.54 U/L
Detection Type	Colorimetric method
Detection Instrument	Microplate reader
Precision	Inter CV: 3.0-6.0% Intra CV: 2.0-5.0%
Research Area	Mitochondria Function
Test Principle	Mitochondrial complex II, also known as succinate-coenzyme Q reductase, is widely found in the mitochondria of animals, plants, microorganisms and cultured cells. It catalyzes the oxidation of succinic acid in the TCA cycle to fumaric acid, which converts the ubiquinone to a reduced form through the basic unit structures of the complex such as iron-sulfur proteins. Coenzyme Q, the catalytic product of mitochondrial complex II, can further reduce 2, 6-dichloroindoxol, which has a characteristic absorption peak at 600 nm. Therefore, the activity of mitochondrial complex II can be quantified by measure the change OD value at 600 nm.
Preparation and Storage	This product can be stored at 2~8 degree C for 12 months with shading light. Shipping: Ice bag

IMAGES



Application Data

ADDITIONAL INFORMATION

Product Categories/Family for Cell Mitochondrial Complex II 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-ii/179655>