

Mitochondrial Complex III (Coenzyme Q-Cytochrome c Reductase) Assay Kit

Mitochondrial Complex III (Coenzyme Q-Cytochrome c Reductase) Activity Colorimetric Assay Kit

CATALOG #
AAA178113

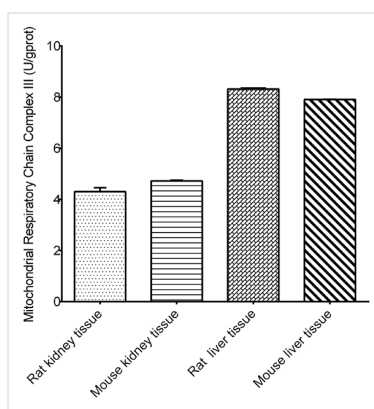
PRODUCT SYNONYMS

Mitochondrial Complex III (Coenzyme Q-Cytochrome c Reductase); Mitochondrial Complex III (Coenzyme Q-Cytochrome c Reductase) Activity Colorimetric Assay Kit; Mitochondrial Complex III (Coenzyme Q-Cytochrome c Reductase) assay kit

PRODUCT SPECIFICATIONS

Specificity	96T (Can detect 47 samples without duplication)
Detection Range	4.45-106.8 U/L
Sensitivity	4.45 U/L
Intra-assay Precision	The intra-assay CV is 5.0%.
Inter-assay Precision	The inter-assay CV is 10.0%.
Preparation and Storage	Store at -20 degree C

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for Mitochondrial Complex III (Coenzyme Q-Cytochrome c Reductase) assay kit

Principle of the Assay: As an organelle, mitochondria is the "power factory" in cells and the main site of aerobic respiration of cells. Its function is to convert energy through oxidative phosphorylation to provide energy for cellular activities. The oxidation process is carried out by four respiratory chain membrane protein complexes (complexes I, II, III and IV) on the inner mitochondrial membrane. Mitochondrial complex III, also known as cytochrome c reductase complex, its main function is to oxidize the reduced coenzyme Q10 formed by mitochondrial complexes I and II to oxidative coenzyme Q10. In this process, the OD value increased at 550 nm. Therefore, the activity of mitochondrial complex III can be quantified by measure the change OD value at 550 nm.

Product Categories/Family for Mitochondrial Complex III (Coenzyme Q-Cytochrome c Reductase) 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/assay-kits/mitochondrial-complex-iii-coenzyme-q-cytochrome-c-reductase/178113>