

Mouse Cytochrome B-c1 Complex Subunit 2, Mitochondrial (UQCRC2) ELISA Kit | UQCRC2 elisa kit

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CATALOG #
AAA332051

REACTIVITY
Mouse

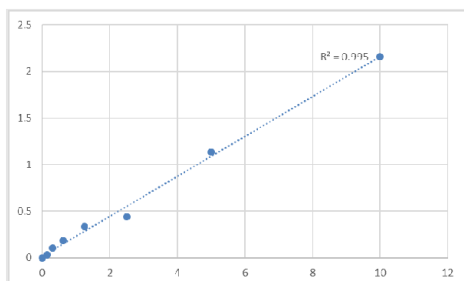
PRODUCT SYNONYMS

Cytochrome B-c1 Complex Subunit 2; Mitochondrial (UQCRC2); Mouse Cytochrome B-c1 Complex Subunit 2; Mitochondrial (UQCRC2) ELISA Kit; UQCRC2; QCR2; UQCR2; UQCRC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Cytochrome b-c1 complex subunit 2, mitochondrial (UQCRC2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse UQCRC2. No significant cross-reactivity or interference between Mouse UQCRC2 and analogues was observed.
Sequence Length	453
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Cytochrome b-c1 complex subunit 2, mitochondrial (UQCRC2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for UQCRC2 elisa kit	Description: This Mouse Cytochrome b-c1 complex subunit 2, mitochondrial (UQCRC2) ELISA Kit employs a two-site sandwich ELISA to quantitate UQCRC2 in samples. An antibody specific for UQCRC2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UQCRC2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UQCRC2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of UQCRC2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The amount of PPARG, PPARG coactivator-1-alpha (PPARGC1A), ubiquinol-cytochrome c oxidoreductase core 2 subunit (UQCRC2), cytochrome c oxidase subunit I (MTCO1), uncoupling protein-2 (UCP2), and ATP synthase H(+)-transporting mitochondrial F1 complex (F1-ATP synthase) were markedly reduced in the low capacity runner rats in comparison with the high capacity runners. The uniform decline in these proteins was consistent with the hypothesis that reduced aerobic metabolism plays a causal role in the development of the differences between the low capacity runner and high capacity runner rats. impairment of mitochondrial function may link reduced fitness to cardiovascular and metabolic disease. Organism species: Homo sapiens (Human)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22267442
NCBI GeneID	67003
NCBI Accession #	NP_080175.1
NCBI GenBank Nucleotide #	NP_080175.1
UniProt Accession #	Q9DB77
NCBI Official Full Name	cytochrome b-c1 complex subunit 2, mitochondrial
NCBI Official Synonym Full Names	ubiquinol cytochrome c reductase core protein 2
NCBI Official Symbol	Uqcrc2
NCBI Official Synonym Symbols	1500004O06Rik
NCBI Protein Information	cytochrome b-c1 complex subunit 2, mitochondrial
UniProt Protein Name	Cytochrome b-c1 complex subunit 2, mitochondrial
UniProt Gene Name	Uqcrc2

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://www.aaabiotech.com/mouse-elisa-kits/cytochrome-b-c1-complex-subunit-2-mitochondrial-uqcrc2/332051>