

Mouse Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2) ELISA Kit | UQCRC2 elisa kit

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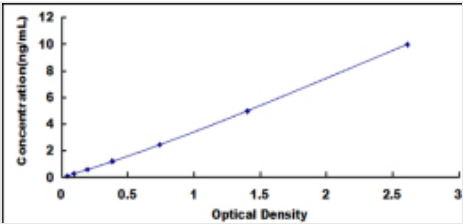
CATALOG # AAA187197	REACTIVITY Mouse
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PRODUCT SYNONYMS

Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2); Mouse Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2) ELISA Kit; QCR2; UQCR2; Cytochrome b-c1 complex subunit 2; mitochondrial; Complex III subunit 2; Core protein II; UQCRC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2). No significant cross-reactivity or interference between Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2) and analogues was observed.
Sequence Length	453
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.061ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UQCRC2 elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13111931
NCBI GeneID	7385
UniProt Accession #	P22695; Q9BQ05; B3KSN4
Molecular Weight	48,443 Da
NCBI Official Full Name	Ubiquinol-cytochrome c reductase core protein II
NCBI Official Synonym Full Names	ubiquinol-cytochrome c reductase core protein 2
NCBI Official Symbol	UQCRC2
NCBI Official Synonym Symbols	QCR2; UQCR2; MC3DN5
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.