

Porcine Cytochrome b-c1 complex subunit 2, mitochondrial (UQCRC2) ELISA Kit | UQCRC2 elisa kit

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CATALOG #
AAA244580

REACTIVITY
Porcine

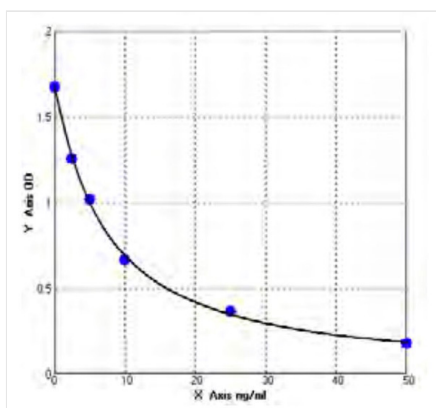
PRODUCT SYNONYMS

Cytochrome b-c1 complex subunit 2; mitochondrial (UQCRC2); Porcine Cytochrome b-c1 complex subunit 2; mitochondrial (UQCRC2) ELISA Kit; UQCRC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of UQCRC2. No significant cross-reactivity or interference between UQCRC2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between UQCRC2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UQCRC2 elisa kit	Principle of the Assay: UQCRC2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-UQCRC2 antibody and an UQCRC2-HRP conjugate. The assay sample and buffer are incubated together with UQCRC2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the UQCRC2 concentration since UQCRC2 from samples and UQCRC2-HRP conjugate compete for the anti-UQCRC2 antibody binding site. Since the number of sites is limited, as more sites are occupied by UQCRC2 from the sample, fewer sites are left to bind UQCRC2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The UQCRC2 concentration in each sample is interpolated from this standard curve. Intended Uses: This UQCRC2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine UQCRC2. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50592988
NCBI GeneID	7385
NCBI Accession #	NP_003357.2
NCBI GenBank Nucleotide #	NM_003366.2
Molecular Weight	48,443 Da
NCBI Official Full Name	cytochrome b-c1 complex subunit 2, mitochondrial
NCBI Official Synonym Full Names	ubiquinol-cytochrome c reductase core protein II
NCBI Official Symbol	UQCRC2
NCBI Official Synonym Symbols	QCR2; UQCR2; MC3DN5
NCBI Protein Information	cytochrome b-c1 complex subunit 2, mitochondrial; core protein II; complex III subunit 2; ubiquinol-cytochrome-c reductase complex core protein 2
UniProt Protein Name	Cytochrome b-c1 complex subunit 2, mitochondrial
UniProt Gene Name	UQCRC2
UniProt Entry Name	QCR2_HUMAN

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.