

Human Cytochrome B-c1 Complex Subunit 10 (UQCR) ELISA Kit | UQCR elisa kit

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CATALOG #
AAA330309

REACTIVITY
Human

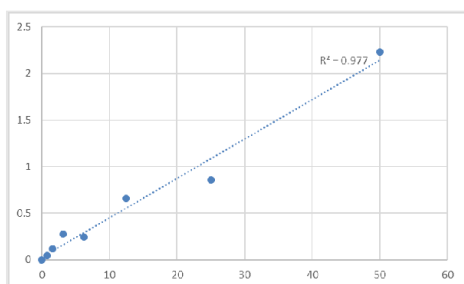
PRODUCT SYNONYMS

Cytochrome B-c1 Complex Subunit 10 (UQCR); Human Cytochrome B-c1 Complex Subunit 10 (UQCR) ELISA Kit; UQCR; 0710008D09Rik; QCR10; UQCR11; complexI subunit XI; cytochrome b-c1 complex subunit 10; ubiquinol cytochrome c reductase; 6.4kDa subunit; UQCR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Cytochrome b-c1 complex subunit 10 (UQCR) ELISA Kit has high sensitivity and excellent specificity for detection of Human UQCR. No significant cross-reactivity or interference between Human UQCR and analogues was observed.
Sequence Length	56
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. Human Cytochrome b-c1 complex subunit 10 (UQCR) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for UQCR elisa kit	Description: This Human Cytochrome b-c1 complex subunit 10 (UQCR) ELISA Kit employs a two-site sandwich ELISA to quantitate UQCR in samples. An antibody specific for UQCR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UQCR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UQCR 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 UQCR bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: UQCRB is a subunit of the respiratory chain protein Ubiquinol Cytochrome c Reductase (UQCR,Complex III or Cytochrome bc1 complex), Subunit 7 was identified as a Q-binding protein by photo-labeling with a ubiquinone analog (subsequent structures show it to be exposed to the lipid phase but not involved in either Q-binding site). Subunits 6 and 7 reverse position on going from Laemli gels to Weber&Osborne gels, and one might suspect the name "Q-binding protein" arose from confusion with subunit 7. I have been told however that this is not the case, and both proteins were separately identified as Q-binding proteins. Genome anotators improved the situation by naming its gene "UQCR binding", UQCRB.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803217
NCBI GeneID	10975
NCBI Accession #	NP_006821.1
NCBI GenBank Nucleotide #	NP_006821.1
UniProt Accession #	O14957
NCBI Official Full Name	cytochrome b-c1 complex subunit 10
NCBI Official Synonym Full Names	ubiquinol-cytochrome c reductase, complex III subunit XI
NCBI Official Symbol	UQCR11
NCBI Official Synonym Symbols	UQCR; QCR10; 0710008D09Rik
NCBI Protein Information	cytochrome b-c1 complex subunit 10
UniProt Protein Name	Cytochrome b-c1 complex subunit 10
UniProt Gene Name	UQCR11
UniProt Synonym Gene Names	UQCR
UniProt Entry Name	QCR10_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/cytochrome-b-c1-complex-subunit-10-uqcr/330309>