

Human Complex III-10 (Cytochrome b-c1 complex subunit 10) ELISA Kit | Complex III-10 elisa kit

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CATALOG #
AAA251031

REACTIVITY
Human

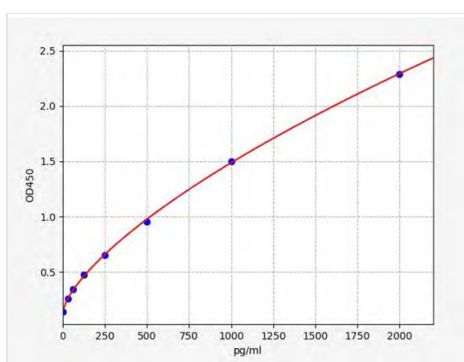
PRODUCT SYNONYMS

Complex III-10 (Cytochrome b-c1 complex subunit 10); Human Complex III-10 (Cytochrome b-c1 complex subunit 10) ELISA Kit; Complex III-10; Cytochrome b-c1 complex subunit 10; Complex III subunit 10; Complex III subunit XI; Ubiquinol-cytochrome c reductase complex 6.4 kDa protein; Complex III-10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize Complex III-10, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Complex III-10 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti Complex III-10 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti Complex III-10 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with Complex III-10 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of Complex III-10 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803217
NCBI GeneID	10975
NCBI Accession #	NP_006821.1
NCBI GenBank Nucleotide #	NM_006830.3
UniProt Accession #	O14957; Q9UEA3; Q9UPK4; B2R542; D6W5Z4
Molecular Weight	6,570 Da
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; complex III subunit 10; complex III subunit XI; ubiquinol cytochrome c reductase, 6.4kDa subunit; ubiquinol-cytochrome c reductase, 6.4kDa subunit; ubiquinol-cytochrome c reductase complex 6.4 kDa protein
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://stage.aaabiotech.com/human-elisa-kits/complex-iii-10-cytochrome-b-c1-complex-subunit-10/251031>