Human Cytochrome b-c1 complex subunit 10 (UQCR) ELISA Kit

Catalog No: #EK5933

Package Size: #EK5933-1 48T #EK5933-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Cytochrome b-c1 complex subunit 10 (UQCR) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	0710008D09Rik; QCR10; UQCR11; complex III subunit XI|cytochrome b-c1 complex subunit 10|ubiquinol cytochrome c reductase; 6.4kDa subunit
Accession No.	O14957
Uniprot	O14957
GeneID	10975;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.781-50 ng/mL

Sensitivity:0.27 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay 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 anyUQCR 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.Product Overview: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.

Note: This product is for in vitro research use only