

Human Coenzyme Q10 (CoQ10) ELISA Kit | CoQ10 elisa kit

Human Coenzyme Q10, CoQ10 ELISA Kit

CATALOG #
AAA15160

REACTIVITY
Human

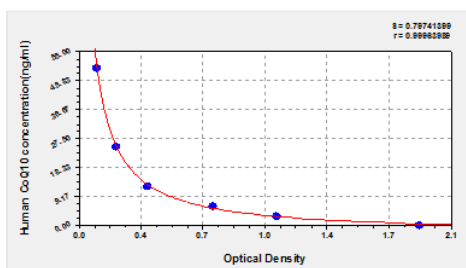
PRODUCT SYNONYMS

Coenzyme Q10 (CoQ10); Human Coenzyme Q10; CoQ10 ELISA Kit; Human Coenzyme Q10 (CoQ10) ELISA Kit; CoQ10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CoQ10. No significant cross-reactivity or interference between human CoQ10 and analogues was observed.
Sequence Length	247
Assay Type	Competitive
Samples	Serum, plasma, tissue homogenates
Detection Range	3.12 ng/ml-50 ng/ml
Sensitivity	< 1.56 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CoQ10 elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to CoQ10. Standards or samples are added to the appropriate microtiter plate wells with Horseradish Peroxidase (HRP) conjugated CoQ10. The competitive inhibition reaction is launched between with HRP-conjugated CoQ10 and CoQ10 in samples. A substrate solution is added to the wells and the color develops in opposite to the amount of CoQ10 in the sample. The color development is stopped and the intensity of the color is measured.

References	Evidence for metabolic aberrations in asymptomatic persons with type 2 diabetes after initiation of simvastatin therapy . Manish Suneja, Daniel K. Fox, Brian D. Fink, Judy A. Herlein, Christopher M. Adams, William I. Sivitzcorrespondence (2015)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	151101384
NCBI GeneID	93058
NCBI Accession #	NP_653177.3
NCBI GenBank Nucleotide #	NM_144576.3
UniProt Accession #	Q96MF6; Q6GMR6; Q6UWB9; Q86X16; Q8TAL2; Q96MF1; Q9BUP4
Molecular Weight	24,460 Da
NCBI Official Full Name	coenzyme Q-binding protein COQ10 homolog A, mitochondrial isoform a
NCBI Official Synonym Full Names	coenzyme Q10 homolog A (S. cerevisiae)
NCBI Official Symbol	COQ10A
NCBI Protein Information	coenzyme Q-binding protein COQ10 homolog A, mitochondrial
UniProt Protein Name	Coenzyme Q-binding protein COQ10 homolog A, mitochondrial
UniProt Gene Name	COQ10A
UniProt Synonym Gene Names	UNQ6192/PRO20219
UniProt Entry Name	CQ10A_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/coenzyme-q10-coq10/15160>