

Human Coenzyme Q-binding protein COQ10 homolog A, mitochondrial ELISA Kit | COQ10A elisa kit

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CATALOG # AAA100934	REACTIVITY Human
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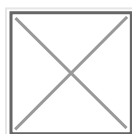
PRODUCT SYNONYMS

Coenzyme Q-binding protein COQ10 homolog A; mitochondrial; Human Coenzyme Q-binding protein COQ10 homolog A; mitochondrial ELISA Kit; COQ10A; COQ10A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COL3A1. No significant cross-reactivity or interference between COL3A1 and analogues was observed.
Sequence Length	247
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level COL3A1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level COL3A1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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 COQ10A elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-COL3A1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-COL3A1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the COL3A1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of COL3A1 can be calculated.
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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
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 Q10A
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 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/coq10a-human-elisa-kits/coenzyme-q-binding-protein-coq10-homolog-a-mitochondrial/100934>