

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

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CATALOG #
AAA245621

REACTIVITY
Human

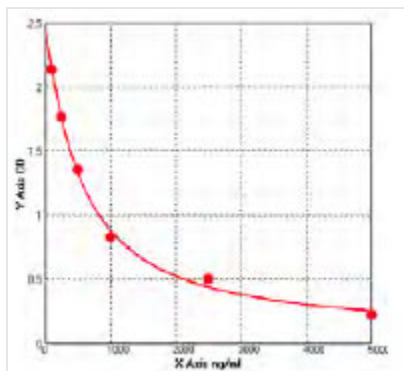
PRODUCT SYNONYMS

Coenzyme Q10 (CoQ10); 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 CoQ10. No significant cross-reactivity or interference between CoQ10 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CoQ10 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CoQ10 elisa kit	Intended Uses: This CoQ10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CoQ10. This ELISA kit for research use only! Principle of the Assay: CoQ10 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CoQ10 antibody and an CoQ10-HRP conjugate. The assay sample and buffer are incubated together with CoQ10-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CoQ10 concentration since CoQ10 from samples and CoQ10-HRP conjugate compete for the anti-CoQ10 antibody binding site. Since the number of sites is limited, as more sites are occupied by CoQ10 from the sample, fewer sites are left to bind CoQ10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CoQ10 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CoQ10 elisa kit	Neurobiology

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-coq10/245621>