

## Human Coenzyme Q10 ELISA Kit | CoQ10 elisa kit

Human Coenzyme Q10 (CoQ10) ELISA Kit

CATALOG #  
**AAA55561**

REACTIVITY  
**Human**

### PRODUCT SYNONYMS

Coenzyme Q10; 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.              |
| Assay Type              | Quantitative Competitive                                                                                                                                                                             |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                                            |
| Detection Range         | 31.25 ng/mL - 2000 ng/mL                                                                                                                                                                             |
| Sensitivity             | 20.8 ng/mL (mean of 6 independent assays)                                                                                                                                                            |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<10%                    |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                               |

### ADDITIONAL INFORMATION

#### Related Product Information for CoQ10 elisa kit

Principle of the Assay: This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to CoQ10. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated CoQ10 and incubated. The competitive inhibition reaction is launched between with HRP labeled CoQ10 and unlabeled CoQ10 with the antibody. 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.

Intended Uses: For the quantitative detection of Human Coenzyme Q10 (CoQ10) concentration in serum, plasma and other biological fluids.

**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](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/coq10-human-elisa-kits/coenzyme-q10/55561>