



## Rat CoQ10 (Coenzyme Q10) ELISA kit

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This kit applies competitive inhibition ELISA method for the quantitative detection of CoQ10 (Coenzyme Q10) in rat samples. The microtiter plate provided in this kit has been pre-coated with Rat CoQ10 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat CoQ10. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$ 10nm. The concentration of Rat CoQ10 in the samples is then determined by comparing the OD of the samples to the standard curve.

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| Catalog No.          | 3039442                                |
| Size                 | 96-Wells                               |
| Product Category     | ELISA (Quantitative)                   |
| Reactivity           | Rat                                    |
| Sample               | Serum; Plasma; Other Biological Fluids |
| Assay Method         | Competitive Inhibition ELISA           |
| Assay Duration       | 2 hours                                |
| Sensitivity          | 0.27 ng/mL                             |
| Standard Curve Range | 0.78-50 ng/mL                          |
| Storage/Stability    | -20°C/1 year; 4°C/6 months             |