

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

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CATALOG # AAA246824	REACTIVITY Rat
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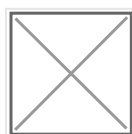
PRODUCT SYNONYMS

Coenzyme Q-binding protein COQ10 homolog A; mitochondrial (COQ10A); Rat Coenzyme Q-binding protein COQ10 homolog A; mitochondrial (COQ10A) ELISA Kit; COQ10A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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 COQ10A elisa kit	<p>Intended Uses: This COQ10A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat COQ10A. This ELISA kit for research use only!</p> <p>Principle of the Assay: COQ10A ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-COQ10A antibody and an COQ10A-HRP conjugate. The assay sample and buffer are incubated together with COQ10A-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 COQ10A concentration since COQ10A from samples and COQ10A-HRP conjugate compete for the anti-COQ10A antibody binding site. Since the number of sites is limited, as more sites are occupied by COQ10A from the sample, fewer sites are left to bind COQ10A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COQ10A concentration in each sample is interpolated from this standard curve.</p>
Product Categories/Family for COQ10A elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	151101384
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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 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/coenzyme-q-binding-protein-coq10-homolog-a-mitochondrial-coq10a/246824>