

Mouse Cytochrome c oxidase copper chaperone (COX17) ELISA Kit | COX17 elisa kit

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CATALOG #
AAA246751

REACTIVITY
Mouse

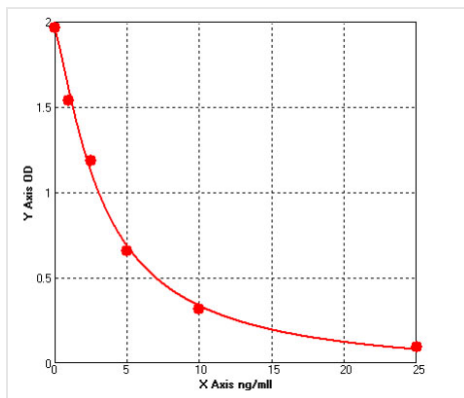
PRODUCT SYNONYMS

Cytochrome c oxidase copper chaperone (COX17); Mouse Cytochrome c oxidase copper chaperone (COX17) ELISA Kit; COX17 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of COX17. No significant cross-reactivity or interference between COX17 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COX17 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COX17 elisa kit	Principle of the Assay: COX17 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-COX17 antibody and an COX17-HRP conjugate. The assay sample and buffer are incubated together with COX17-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 COX17 concentration since COX17 from samples and COX17-HRP conjugate compete for the anti-COX17 antibody binding site. Since the number of sites is limited, as more sites are occupied by COX17 from the sample, fewer sites are left to bind COX17-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COX17 concentration in each sample is interpolated from this standard curve. Intended Uses: This COX17 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse COX17. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031645
NCBI GeneID	10063
NCBI Accession #	NP_005685.1
NCBI GenBank Nucleotide #	NM_005694.1
Molecular Weight	6,915 Da
NCBI Official Full Name	cytochrome c oxidase copper chaperone
NCBI Official Synonym Full Names	COX17 cytochrome c oxidase copper chaperone
NCBI Official Symbol	COX17
NCBI Protein Information	cytochrome c oxidase copper chaperone; cytochrome c oxidase 17 copper chaperone; cytochrome c oxidase assembly homolog 17; COX17 cytochrome c oxidase assembly homolog; human homolog of yeast mitochondrial copper recruitment
UniProt Protein Name	Cytochrome c oxidase copper chaperone
UniProt Gene Name	COX17
UniProt Entry Name	COX17_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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/cytochrome-c-oxidase-copper-chaperone-cox17/246751>