

Human Cytochrome c oxidase subunit 7C, mitochondrial (COX7C) ELISA Kit | COX7C elisa kit

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CATALOG # AAA27111	REACTIVITY Human
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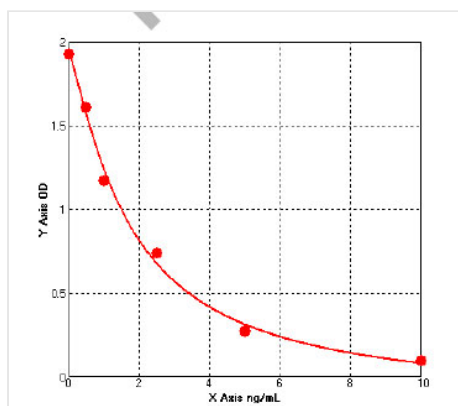
PRODUCT SYNONYMS

Cytochrome c oxidase subunit 7C; mitochondrial (COX7C); Human Cytochrome c oxidase subunit 7C; mitochondrial (COX7C) ELISA Kit; COX7C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COX7C. No significant cross-reactivity or interference between COX7C and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COX7C 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 COX7C elisa kit	Principle of the Assay: COX7C ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-COX7C antibody and an COX7C-HRP conjugate. The assay sample and buffer are incubated together with COX7C-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 COX7C concentration since COX7C from samples and COX7C-HRP conjugate compete for the anti-COX7C antibody binding site. Since the number of sites is limited, as more sites are occupied by COX7C from the sample, fewer sites are left to bind COX7C-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COX7C concentration in each sample is interpolated from this standard curve. Intended Uses: This COX7C ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COX7C. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502993
NCBI GeneID	1350
NCBI Accession #	NP_001858.1
NCBI GenBank Nucleotide #	NM_001867.2
Molecular Weight	7,246 Da
NCBI Official Full Name	cytochrome c oxidase subunit 7C, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit VIIc
NCBI Official Symbol	COX7C
NCBI Protein Information	cytochrome c oxidase subunit 7C, mitochondrial; cytochrome-c oxidase chain VIIc; cytochrome c oxidase polypeptide VIIc
UniProt Protein Name	Cytochrome c oxidase subunit 7C, mitochondrial
UniProt Gene Name	COX7C
UniProt Entry Name	COX7C_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/human-elisa-kits/cytochrome-c-oxidase-subunit-7c-mitochondrial-cox7c/27111>