

Human Cytochrome Oxidase 4 ELISA Kit | CoX 4 elisa kit

Human Cytochrome Oxidase 4 ELISA Kit

CATALOG # AAA87710	REACTIVITY Human
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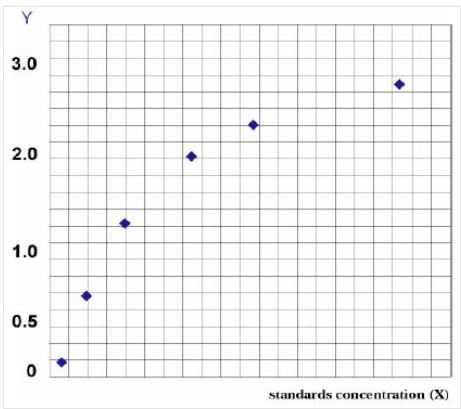
PRODUCT SYNONYMS

Cytochrome Oxidase 4; Human Cytochrome Oxidase 4 ELISA Kit; CoX 4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CoX 4 elisa kit	Intended Uses: This COX-4 ELISA kit is intended Laboratory for research use only.The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration ofCOX-4 in the sample, this COX-4 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versusCOX-4 concentration. The concentration ofCOX-4 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: This COX-4 enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific forCOX-4. Standards or samples are then added to the microtiter plate wells andCOX-4 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount ofCOX-4 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific forCOX-4 are added to each well to "sandwich" theCOX-4 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period.Only those wells that containCOX-4 and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62297096
NCBI GeneID	3879200
Molecular Weight	20,613 Da
NCBI Official Full Name	Cytochrome c oxidase subunit 4, mitochondrial
NCBI Official Symbol	NCU05689
NCBI Protein Information	cytochrome c oxidase polypeptide IV, mitochondrial precursor
UniProt Protein Name	Cytochrome c oxidase subunit 4, mitochondrial
UniProt Gene Name	cox-4
UniProt Synonym Gene Names	NCU05689
UniProt Entry Name	COX4_NEUCR

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://stage.aaabiotech.com/cox-4-human-elisa-kits/cytochrome-oxidase-4/87710>