

Monkey Cytochrome Oxidase 4 ELISA Kit | CoX-4 elisa kit

Monkey Cytochrome Oxidase 4 ELISA Kit

CATALOG #
AAA94742

REACTIVITY
Monkey

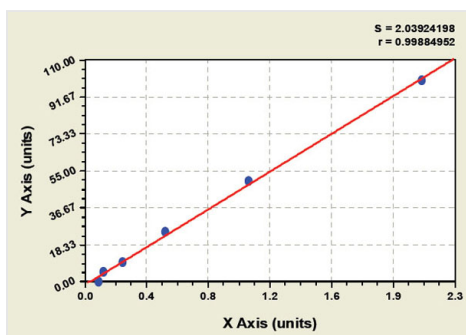
PRODUCT SYNONYMS

Cytochrome Oxidase 4; Monkey Cytochrome Oxidase 4 ELISA Kit; CoX-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Sensitivity	1.0 ng/mL.
Intended Uses	This COX-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey COX-4. This ELISA kit for research use only, not for therapeutic applications!
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

Principle of the Assay: COX-4 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for COX-4. Standards or samples are then added to the microtiter plate wells and COX-4 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of COX-4 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for COX-4 are added to each well to "sandwich" the COX-4 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain COX-4 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COX-4 concentration in each sample is interpolated from this standard curve.

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-monkey-elisa-kits/cytochrome-oxidase-4/94742>