

Canine Cytochrome c oxidase ELISA Kit | COX elisa kit

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CATALOG #
AAA95817

REACTIVITY
Canine

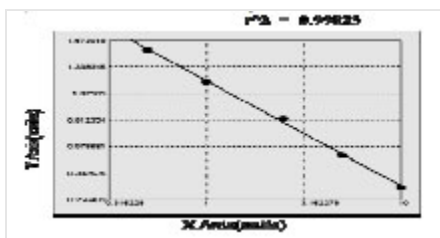
PRODUCT SYNONYMS

Cytochrome c oxidase; Canine Cytochrome c oxidase ELISA Kit; COX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	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 COX elisa kit

Intended Uses||This CCOX ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CCOX. This ELISA kit for research use only!

Principle of the Assay: CCOX ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CCOX antibody and an CCOX-HRP conjugate. The assay sample and buffer are incubated together with CCOX-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 CCOX concentration since CCOX from samples and CCOX-HRP conjugate compete for the anti-CCOX antibody binding site. Since the number of sites is limited, as more sites are occupied by CCOX from the sample, fewer sites are left to bind CCOX-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CCOX concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	494322128
NCBI Accession #	WP_007179458.1

NCBI GenBank Nucleotide #	WP_007179458.1
Molecular Weight	56,636 Da
NCBI Official Full Name	cytochrome C oxidase
UniProt Protein Name	Cytochrome c oxidase subunit 2
UniProt Entry Name	I2ID97_9BURK

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-canine-elisa-kits/cytochrome-c-oxidase/95817>