

Mouse COX1 (Cytochrome C Oxidase Subunit I) ELISA Kit | COX1 elisa kit

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CATALOG #
AAA277013

REACTIVITY
Mouse

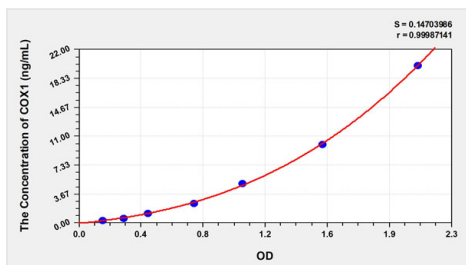
PRODUCT SYNONYMS

COX1 (Cytochrome C Oxidase Subunit I); Mouse COX1 (Cytochrome C Oxidase Subunit I) ELISA Kit; MT-CO1; MTCO1; COI; COXI; Mitochondrially Encoded Cytochrome C Oxidase I; Cytochrome c oxidase polypeptide I; COX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse COX1. No significant cross-reactivity or interference between Mouse COX1 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.32-20 ng/mL
Sensitivity	0.122 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COX1 elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cytochrome C Oxidase Subunit I(COX1). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cytochrome C Oxidase Subunit I(COX1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cytochrome C Oxidase Subunit I(COX1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Cytochrome C Oxidase Subunit I(COX1) in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for COX1 elisa kit

[Enzyme & Kinase](#)

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/cox1-cytochrome-c-oxidase-subunit-i/277013>