

Mouse Cytochrome C Oxidase Subunit II (COX2) ELISA Kit | COX2 elisa kit

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CATALOG #
AAA68393

REACTIVITY
Mouse

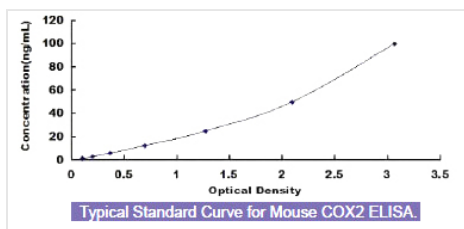
PRODUCT SYNONYMS

Cytochrome C Oxidase Subunit II (COX2); Mouse Cytochrome C Oxidase Subunit II (COX2) ELISA Kit; MTCO2; MT-CO2; COII; COXII; Mitochondrially Encoded Cytochrome C Oxidase II; Cytochrome c oxidase polypeptide II; COX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of COX2. No significant cross-reactivity or interference between COX2 and analogues was observed.
Sequence Length	227
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	<0.74ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level COX2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level COX2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COX2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of COX2 in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to COX2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to COX2. 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 COX2, 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 +/- 10nm. The concentration of COX2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34538601
NCBI GeneID	17709
NCBI Accession #	NP_904331.1
NCBI GenBank Nucleotide #	NC_005089.1
UniProt Accession #	P00405; Q85K21
Molecular Weight	25,976 Da
NCBI Official Full Name	cytochrome c oxidase subunit II (mitochondrion)
NCBI Official Synonym Full Names	cytochrome c oxidase II, mitochondrial
NCBI Official Symbol	mt-Co2
NCBI Official Synonym Symbols	COX2
NCBI Protein Information	cytochrome c oxidase subunit II
UniProt Protein Name	Cytochrome c oxidase subunit 2
UniProt Gene Name	Mtco2
UniProt Synonym Gene Names	COII; mt-Co2

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/mouse-elisa-kits/cytochrome-c-oxidase-subunit-ii-cox2/68393>