

Mouse Cytochrome C Oxidase Subunit III (COX3) ELISA Kit | COX3 elisa kit

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CATALOG #
AAA63592

REACTIVITY
Mouse

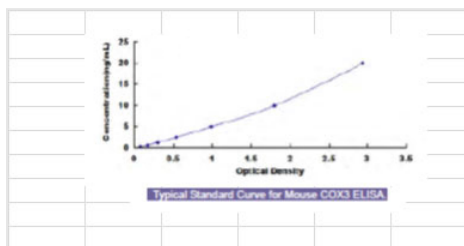
PRODUCT SYNONYMS

Cytochrome C Oxidase Subunit III (COX3); Mouse Cytochrome C Oxidase Subunit III (COX3) ELISA Kit; MTCO3; MT-CO3; COIII; COXIII; Mitochondrially Encoded Cytochrome C Oxidase III; COX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of COX3. No significant cross-reactivity or interference between COX3 and analogues was observed.
Sequence Length	261
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.119ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level COX3 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 COX3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COX3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of COX3 in mouse 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 COX3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to COX3. 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 COX3, 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 COX3 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 #	62198720
NCBI GeneID	3338893
NCBI Accession #	YP_220556.1
NCBI GenBank Nucleotide #	YP_220556.1
UniProt Accession #	Q9MQW4; Q9MDE6
Molecular Weight	29,923 Da
NCBI Official Full Name	cytochrome c oxidase subunit III (mitochondrion)
NCBI Official Symbol	COX3
NCBI Protein Information	cytochrome c oxidase subunit III
UniProt Protein Name	Cytochrome c oxidase subunit 3
UniProt Gene Name	COX3

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.