

Mouse Cytochrome c oxidase subunit 4 isoform 1, mitochondrial ELISA Kit | Cox4i1 elisa kit

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CATALOG #
AAA193858

REACTIVITY
Mouse

PRODUCT SYNONYMS

Cytochrome c oxidase subunit 4 isoform 1; mitochondrial; Mouse Cytochrome c oxidase subunit 4 isoform 1; mitochondrial ELISA Kit; Cytochrome c oxidase polypeptide IV; Cytochrome c oxidase subunit IV isoform 1; COX IV-1; Cox4i1; Cox4; Cox4a; Cox4i1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Recombinant and natural Mouse Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
Sequence Length	169
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.312-20 ng/mL
Sensitivity	< 0.166 ng/mL
Intra-assay Precision	Intra-Assay CV: <=6.8%
Inter-assay Precision	Inter-Assay CV: <=8.1%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cox4i1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	649572215
NCBI GeneID	12857
NCBI Accession #	NP_001280488.1
NCBI GenBank Nucleotide #	NM_001293559.1
UniProt Accession #	P19783; Q545A9
Molecular Weight	19,530 Da
NCBI Official Full Name	cytochrome c oxidase subunit 4 isoform 1, mitochondrial isoform 2
NCBI Official Synonym Full Names	cytochrome c oxidase subunit IV isoform 1
NCBI Official Symbol	Cox4i1
NCBI Official Synonym Symbols	COX; Cox4; IV-1; COXIV; Cox4a; AL024441; COX IV-1
NCBI Protein Information	cytochrome c oxidase subunit 4 isoform 1, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
UniProt Gene Name	Cox4i1
UniProt Synonym Gene Names	Cox4; Cox4a; COX IV-1
UniProt Entry Name	COX41_MOUSE

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/cox4i1-mouse-elisa-kits/cytochrome-c-oxidase-subunit-4-isoform-1-mitochondrial/193858>