

Product Datasheet

Mouse Cytochrome C Oxidase Subunit I (COX1) ELISA Kit (orb1088179)

Catalog Number orb1088179

Category Assays and Kits

Description 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.

Reactivity Mouse

Concentration 20 ng/mL

UniProt ID **P00397**

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Application notes

standard: 20 ng/mL. Test principle: 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 Mouse COX1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse 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 Mouse 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 Mouse COX1 in the samples is then determined by comparing the OD of the samples to the standard curve

Assay Type

Sandwich

Assay Time

3.5h

Range

0.32-20 ng/mL

Sensitivity

0.127 ng/mL

Sample Types

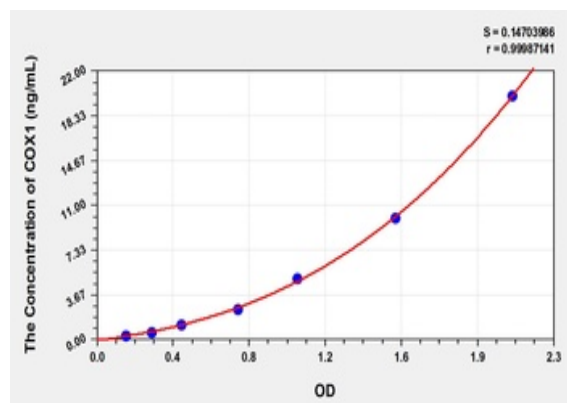
Tissue homogenates, cell lysates and other biological fluids.

Note

For research use only

Expiration Date

Please enquire.



Standard curve for orb1088179 ELISA kit.

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