

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

Rabbit COX2 (Cytochrome C Oxidase Subunit II) ELISA Kit

CATALOG #  
**AAA276540**

REACTIVITY  
**Rabbit**

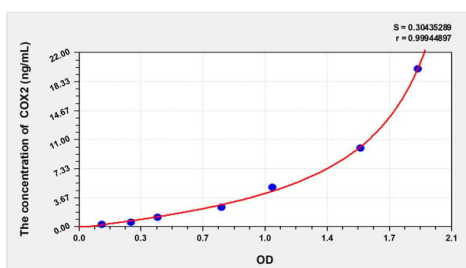
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rabbit                                                                                                                                                                                  |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rabbit COX2. No significant cross-reactivity or interference between Rabbit COX2 and analogues was observed. |
| Assay Type              | Sandwich                                                                                                                                                                                |
| Detection Range         | 0.32-20 ng/mL                                                                                                                                                                           |
| Sensitivity             | 0.119 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.                   |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for COX2 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 II(COX2). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cytochrome C Oxidase Subunit II(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 Cytochrome C Oxidase Subunit II(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 Cytochrome C Oxidase Subunit II(COX2) in the samples is then determined by comparing the OD of the samples to the standard curve.

**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/rabbit-elisa-kits/cox2-cytochrome-c-oxidase-subunit-ii/276540>