

# Human Cytochrome c oxidase subunit 6A2, mitochondrial (COX6A2) ELISA Kit | COX6A2 elisa kit

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|-------------------------------|----------------------------|
| CATALOG #<br><b>AAA244965</b> | REACTIVITY<br><b>Human</b> |
|-------------------------------|----------------------------|

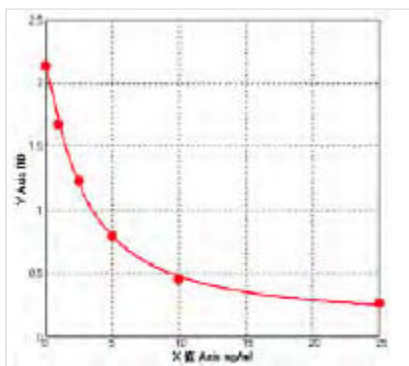
## PRODUCT SYNONYMS

Cytochrome c oxidase subunit 6A2; mitochondrial (COX6A2); Human Cytochrome c oxidase subunit 6A2; mitochondrial (COX6A2) ELISA Kit; COX6A2 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of COX6A2. No significant cross-reactivity or interference between COX6A2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COX6A2 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                     |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                       |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                            |

## IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for COX6A2 elisa kit | <p>Intended Uses: This COX6A2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COX6A2. This ELISA kit for research use only!</p> <p>Principle of the Assay: COX6A2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-COX6A2 antibody and an COX6A2-HRP conjugate. The assay sample and buffer are incubated together with COX6A2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the COX6A2 concentration since COX6A2 from samples and COX6A2-HRP conjugate compete for the anti-COX6A2 antibody binding site. Since the number of sites is limited, as more sites are occupied by COX6A2 from the sample, fewer sites are left to bind COX6A2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COX6A2 concentration in each sample is interpolated from this standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4885149                                                                                                                                         |
| NCBI GeneID                      | 1339                                                                                                                                            |
| NCBI Accession #                 | NP_005196.1                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_005205.3                                                                                                                                     |
| Molecular Weight                 | 10,815 Da                                                                                                                                       |
| NCBI Official Full Name          | cytochrome c oxidase subunit 6A2, mitochondrial                                                                                                 |
| NCBI Official Synonym Full Names | cytochrome c oxidase subunit VIa polypeptide 2                                                                                                  |
| NCBI Official Symbol             | COX6A2                                                                                                                                          |
| NCBI Official Synonym Symbols    | COX6AH; COXVIAH                                                                                                                                 |
| NCBI Protein Information         | cytochrome c oxidase subunit 6A2, mitochondrial; COX VIa-M; cytochrome c oxidase subunit VIA-muscle; cytochrome c oxidase polypeptide VIa-heart |
| UniProt Protein Name             | Cytochrome c oxidase subunit 6A2, mitochondrial                                                                                                 |
| UniProt Gene Name                | COX6A2                                                                                                                                          |
| UniProt Synonym Gene Names       | COX6A; COX6AH; COXVIAH; COX VIa-M                                                                                                               |
| UniProt Entry Name               | CX6A2_HUMAN                                                                                                                                     |

**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.