

Porcine Cytochrome c oxidase subunit 4 isoform 2, mitochondrial (COX4I2) ELISA Kit | COX4I2 elisa kit

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CATALOG # AAA245660	REACTIVITY Porcine
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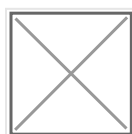
PRODUCT SYNONYMS

Cytochrome c oxidase subunit 4 isoform 2; mitochondrial (COX4I2); Porcine Cytochrome c oxidase subunit 4 isoform 2; mitochondrial (COX4I2) ELISA Kit; COX4I2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	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 COX4I2 elisa kit	Intended Uses: This COX4I2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine COX4I2. This ELISA kit for research use only! Principle of the Assay COX4I2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-COX4I2 antibody and an COX4I2-HRP conjugate. The assay sample and buffer are incubated together with COX4I2-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 COX4I2 concentration since COX4I2 from samples and COX4I2-HRP conjugate compete for the anti-COX4I2 antibody binding site. Since the number of sites is limited, as more sites are occupied by COX4I2 from the sample, fewer sites are left to bind COX4I2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COX4I2 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17999526
NCBI GeneID	84701
NCBI Accession #	NP_115998.2

NCBI GenBank Nucleotide #	NM_032609.2
Molecular Weight	20,010 Da
NCBI Official Full Name	cytochrome c oxidase subunit 4 isoform 2, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit IV isoform 2 (lung)
NCBI Official Symbol	COX4I2
NCBI Official Synonym Symbols	COX4; COX4B; COX4-2; COX4L2; COXIV-2; dJ857M17.2
NCBI Protein Information	cytochrome c oxidase subunit 4 isoform 2, mitochondrial; COX IV-2; cytochrome c oxidase subunit IV-like 2
UniProt Protein Name	Cytochrome c oxidase subunit 4 isoform 2, mitochondrial
UniProt Gene Name	COX4I2
UniProt Synonym Gene Names	COX4L2; COX IV-2
UniProt Entry Name	COX42_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.

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Online datasheet: <https://stage.aaabiotech.com/porcine-elisa-kits/cytochrome-c-oxidase-subunit-4-isoform-2-mitochondrial-cox4i2/245660>