

Chicken Cytochrome c oxidase subunit 5A, mitochondrial (COX5A) ELISA Kit | COX5A elisa kit

Chicken Cytochrome c oxidase subunit 5A, mitochondrial (COX5A) ELISA Kit

CATALOG #
AAA246688

REACTIVITY
Chicken

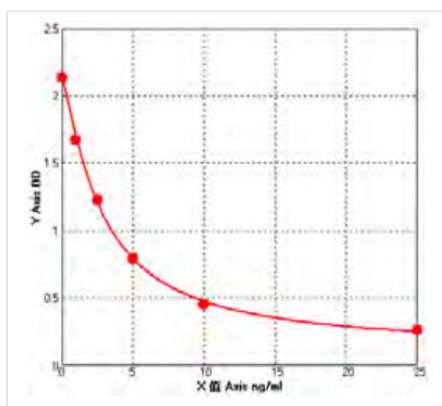
PRODUCT SYNONYMS

Cytochrome c oxidase subunit 5A; mitochondrial (COX5A); Chicken Cytochrome c oxidase subunit 5A; mitochondrial (COX5A) ELISA Kit; COX5A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of COX5A. No significant cross-reactivity or interference between COX5A and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COX5A and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 COX5A elisa kit	Principle of the Assay: COX5A ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-COX5A antibody and an COX5A-HRP conjugate. The assay sample and buffer are incubated together with COX5A-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 COX5A concentration since COX5A from samples and COX5A-HRP conjugate compete for the anti-COX5A antibody binding site. Since the number of sites is limited, as more sites are occupied by COX5A from the sample, fewer sites are left to bind COX5A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COX5A concentration in each sample is interpolated from this standard curve. Intended Uses: This COX5A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken COX5A. This ELISA kit for research use only, not for therapeutic or test applications!
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	190885499
NCBI GeneID	9377
NCBI Accession #	NP_004246.2
NCBI GenBank Nucleotide #	NM_004255.3
Molecular Weight	16,762 Da
NCBI Official Full Name	cytochrome c oxidase subunit 5A, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase subunit Va
NCBI Official Symbol	COX5A
NCBI Official Synonym Symbols	VA; COX; COX-VA
NCBI Protein Information	cytochrome c oxidase subunit 5A, mitochondrial; cytochrome c oxidase polypeptide Va; mitochondrial cytochrome c oxidase subunit Va; cytochrome c oxidase polypeptide, mitochondrial
UniProt Protein Name	Cytochrome c oxidase subunit 5A, mitochondrial
UniProt Gene Name	COX5A
UniProt Entry Name	COX5A_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/chicken-elisa-kits/cytochrome-c-oxidase-subunit-5a-mitochondrial-cox5a/246688>