

Human Cytochrome c oxidase subunit 1 (MT CO1) ELISA Kit | MT CO1 elisa kit

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CATALOG #
AAA245213

REACTIVITY
Human

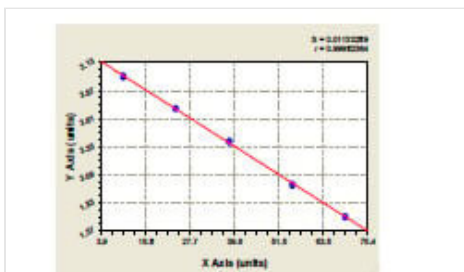
PRODUCT SYNONYMS

Cytochrome c oxidase subunit 1 (MT CO1); Human Cytochrome c oxidase subunit 1 (MT CO1) ELISA Kit; MT CO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT CO1 elisa kit

Intended Uses: This MTCO1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MTCO1.

Principle of the Assay: MTCO1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MTCO1 antibody and an MTCO1-HRP conjugate. The assay sample and buffer are incubated together with MTCO1-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 MTCO1 concentration since MTCO1 from samples and MTCO1-HRP conjugate compete for the anti-MTCO1 antibody binding site. Since the number of sites is limited, as more sites are occupied by MTCO1 from the sample, fewer sites are left to bind MTCO1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MTCO1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157912686
NCBI GeneID	5714039
Molecular Weight	62,170 Da
NCBI Official Full Name	cytochrome c oxidase subunit 1
NCBI Official Symbol	ctaD
NCBI Protein Information	cytochrome c oxidase subunit 1
UniProt Protein Name	Cytochrome c oxidase subunit 1
UniProt Gene Name	ctaD
UniProt Synonym Gene Names	Dshi_2383
UniProt Entry Name	A8LRT8_DINSH

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/human-elisa-kits/cytochrome-c-oxidase-subunit-1-mt-co1/245213>