

Human MT-CO2 (Cytochrome c oxidase subunit 2) ELISA Kit | MT-CO2 elisa kit

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CATALOG #
AAA251086

REACTIVITY
Human

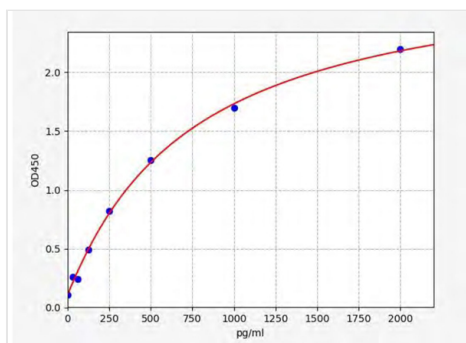
PRODUCT SYNONYMS

MT-CO2 (Cytochrome c oxidase subunit 2); Human MT-CO2 (Cytochrome c oxidase subunit 2) ELISA Kit; MT-CO2; Cytochrome c oxidase subunit 2; Cytochrome c oxidase polypeptide II; MT-CO2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize MT-CO2, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT-CO2 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti MT-CO2 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti MT-CO2 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with MTCO2 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of MT-CO2 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117020
NCBI GeneID	4513
UniProt Accession #	P00403; Q37526
Molecular Weight	227
NCBI Official Full Name	Cytochrome c oxidase subunit 2
NCBI Official Synonym Full Names	mitochondrially encoded cytochrome c oxidase II
NCBI Official Symbol	MT-CO2
NCBI Official Synonym Symbols	COII; MTCO2; COX2
NCBI Protein Information	cytochrome c oxidase subunit II
UniProt Protein Name	Cytochrome c oxidase subunit 2
UniProt Gene Name	MT-CO2
UniProt Synonym Gene Names	COII; COXII; MTCO2
UniProt Entry Name	COX2_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.