

Mouse Cytochrome c oxidase subunit 8B, mitochondrial (COX8B) ELISA Kit | COX8B elisa kit

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CATALOG # AAA245403	REACTIVITY Mouse
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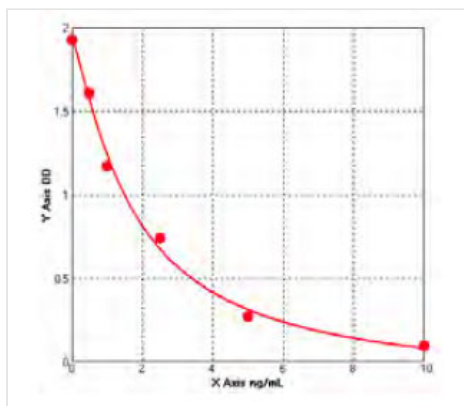
PRODUCT SYNONYMS

Cytochrome c oxidase subunit 8B; mitochondrial (COX8B); Mouse Cytochrome c oxidase subunit 8B; mitochondrial (COX8B) ELISA Kit; COX8B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of COX8B. No significant cross-reactivity or interference between COX8B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COX8B 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 COX8B elisa kit	Intended Uses: This COX8B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of MouseCOX8B. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: COX8B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-COX8B antibody and an COX8B-HRP conjugate. The assay sample and buffer are incubated together with COX8B-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 COX8B concentration since COX8B from samples and COX8B-HRP conjugate compete for the anti-COX8B antibody binding site. Since the number of sites is limited, as more sites are occupied by COX8B from the sample, fewer sites are left to bind COX8B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COX8B concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	158517805
NCBI GeneID	25250
NCBI Accession #	NP_036918.2
NCBI GenBank Nucleotide #	NM_012786.3
Molecular Weight	7,549 Da
NCBI Official Full Name	cytochrome c oxidase subunit 8B, mitochondrial
NCBI Official Synonym Full Names	cytochrome c oxidase, subunit VIIIb
NCBI Official Symbol	Cox8b
NCBI Official Synonym Symbols	CCO8A; Cox8h; COXVIII-H
NCBI Protein Information	cytochrome c oxidase subunit 8B, mitochondrial; cytochrome c oxidase subunit 8H; cytochrome c oxidase subunit 8-1; cytochrome c oxidase, subunit 8B; cytochrome c oxidase polypeptide VIII-heart; cytochrome c oxidase, subunit VIIIb, muscle; Cytochrom c oxidase subunit VIII-H (heart/muscle); Cytochrome c oxidase subunit VIII-H (heart/muscle)
UniProt Protein Name	Cytochrome c oxidase subunit 8B, mitochondrial
UniProt Gene Name	Cox8b
UniProt Synonym Gene Names	Cox8h
UniProt Entry Name	COX8B_RAT

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://www.aaabiotech.com/mouse-elisa-kits/cytochrome-c-oxidase-subunit-8b-mitochondrial-cox8b/245403>