

Mouse Carnitine O-palmitoyltransferase 1 ELISA Kit | CPT1B elisa kit

Mouse Carnitine O-palmitoyltransferase 1, muscle isoform (CPT1B) ELISA Kit

CATALOG # AAA55761	REACTIVITY Mouse
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PRODUCT SYNONYMS

Carnitine O-palmitoyltransferase 1; Mouse Carnitine O-palmitoyltransferase 1; muscle isoform (CPT1B) ELISA Kit; CPT1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse CPT1B. No significant cross-reactivity or interference between Mouse CPT1B and analogues was observed.
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for CPT1B elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate CPT1B in samples. An antibody specific for CPT1B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCPT1B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CPT1B is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CPT1B bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	162287165
NCBI GeneID	12895
NCBI Accession #	NP_034078.2
NCBI GenBank Nucleotide #	NM_009948.2
UniProt Accession #	Q924X2 ; O35287 ; Q9QYP4
Molecular Weight	88,217 Da

NCBI Official Full Name	carnitine O-palmitoyltransferase 1, muscle isoform
NCBI Official Synonym Full Names	carnitine palmitoyltransferase 1b, muscle
NCBI Official Symbol	Cpt1b
NCBI Official Synonym Symbols	Cpt1; Cpti; Cpt1-m; Cpti-m; M-cpti
NCBI Protein Information	carnitine O-palmitoyltransferase 1, muscle isoform
UniProt Protein Name	Carnitine O-palmitoyltransferase 1, muscle isoform
UniProt Gene Name	Cpt1b
UniProt Synonym Gene Names	CPT1-M; CPT I; CPTI-M

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/cpt1b-mouse-elisa-kits/carnitine-o-palmitoyltransferase-1/55761>