

Mouse carnitine palmitoyltransferase 1A (liver) ELISA Kit | CPT1A elisa kit

Mouse Carnitine O-palmitoyltransferase 1, liver isoform, CPT1A ELISA Kit

CATALOG #
AAA112906

REACTIVITY
Mouse

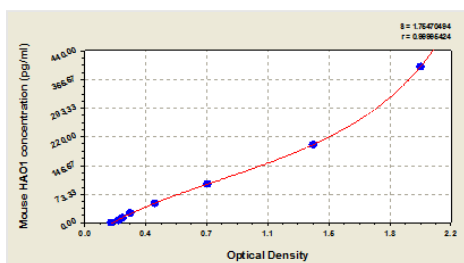
PRODUCT SYNONYMS

carnitine palmitoyltransferase 1A (liver); Mouse Carnitine O-palmitoyltransferase 1; liver isoform; CPT1A ELISA Kit; liver isoform (CPT1A) ELISA kit; CPT1; CPT1-L; L-CPT1; carnitine palmitoyltransferase 1A liver; carnitine palmitoyltransferase I; liver; CPT1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse CPT1A. No significant cross-reactivity or interference between mouse CPT1A and analogues was observed.
Sequence Length	773
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell lysates, tissue homogenates
Detection Range	6.25 pg/ml-400 pg/ml
Sensitivity	< 1.56 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPT1A elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CPT1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CPT1A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CPT1A is added to the wells. After washing, avidin 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 CPT1A 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 #	162287142
NCBI GeneID	12894
NCBI Accession #	NP_038523.2
NCBI GenBank Nucleotide #	NM_013495.2
UniProt Accession #	P97742; O35288; Q80SW3; Q8BP98; Q8C7H8
Molecular Weight	88,251 Da
NCBI Official Full Name	carnitine O-palmitoyltransferase 1, liver isoform
NCBI Official Synonym Full Names	carnitine palmitoyltransferase 1a, liver
NCBI Official Symbol	Cpt1a
NCBI Official Synonym Symbols	CPTI; Cpt1; C730027G07
NCBI Protein Information	carnitine O-palmitoyltransferase 1, liver isoform; CPT I; CPT1-L; CPTI-L; L-CPT I; carnitine palmitoyltransferase 1, liver; carnitine O-palmitoyltransferase I, liver isoform
UniProt Protein Name	Carnitine O-palmitoyltransferase 1, liver isoform
UniProt Gene Name	Cpt1a
UniProt Synonym Gene Names	Cpt-1; Cpt1; CPT1-L; CPT I; CPTI-L
UniProt Entry Name	CPT1A_MOUSE

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/cpt1a-mouse-elisa-kits/carnitine-palmitoyltransferase-1a-liver/112906>