

Mouse Carnitine O-palmitoyltransferase 2 ELISA Kit | CPT2 elisa kit

Mouse Carnitine O-palmitoyltransferase 2, mitochondrial (CPT2) ELISA Kit

CATALOG # AAA55589	REACTIVITY Mouse
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PRODUCT SYNONYMS

Carnitine O-palmitoyltransferase 2; Mouse Carnitine O-palmitoyltransferase 2; mitochondrial (CPT2) ELISA Kit; CPT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse CPT2. No significant cross-reactivity or interference between Mouse CPT2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	62.5 pg/mL - 4000 pg/mL
Sensitivity	31.25 pg/mL (mean of 6 independent assays)
Intra-assay 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. Intra-Assay: CV<8%
Inter-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. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for CPT2 elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate CPT2 in Mouse serum, plasma, tissue homogenates. An antibody specific for CPT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CPT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CPT2 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 CPT2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Mouse Carnitine O-palmitoyltransferase 2, mitochondrial (CPT2) concentration in serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	162138915
NCBI GeneID	12896
NCBI Accession #	NP_034079.2
NCBI GenBank Nucleotide #	NM_009949.2
UniProt Accession #	P52825; Q3TFS0

Molecular Weight	73,981 Da
NCBI Official Full Name	carnitine O-palmitoyltransferase 2, mitochondrial
NCBI Official Synonym Full Names	carnitine palmitoyltransferase 2
NCBI Official Symbol	Cpt2
NCBI Official Synonym Symbols	CPTII; AI323697
NCBI Protein Information	carnitine O-palmitoyltransferase 2, mitochondrial
UniProt Protein Name	Carnitine O-palmitoyltransferase 2, mitochondrial
UniProt Gene Name	Cpt2
UniProt Synonym Gene Names	Cpt-2; CPT II

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/cpt2-mouse-elisa-kits/carnitine-o-palmitoyltransferase-2/55589>