

Rat Carnitine palmitoyltransferase I, CPT1 ELISA Kit | CPT1 elisa kit

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CATALOG #
AAA22513

REACTIVITY
Rat

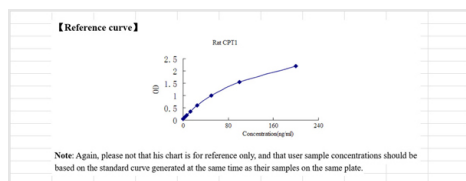
PRODUCT SYNONYMS

Carnitine palmitoyltransferase I; CPT1; Rat Carnitine palmitoyltransferase I; CPT1 ELISA Kit; CPT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Detection Range	200 ng/mL-3.12 ng/mL
Sensitivity	Up to 0.6 ng/mL
Intra-assay Precision	<= 8%
Inter-assay Precision	<= 12%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPT1 elisa kit

Principle of the Assay: As mentioned above, this kit utilizes the Double Antibody Sandwich ELISA technique. The pre-coated antibody is an anti-Rat CPT1 monoclonal antibody, while the detection antibody is a biotinylated polyclonal antibody. Samples and biotinylated antibodies are added into ELISA plate wells and washed out with PBS or TBS after their respective additions to the wells. Then Avidin-peroxidase conjugates are added to the wells in after. TMB substrate is used for coloration after the enzyme conjugate has already been thoroughly washed out of the wells by PBS or TBS. TMB reacts to form a blue product from the peroxidase activity, and finally turns to yellow after addition of the stop solution (Color Reagent C). The color intensity and quantity of target analyte in the sample are positively correlated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	162287173
NCBI GeneID	25757
NCBI Accession #	NP_113747.2
NCBI GenBank Nucleotide #	NM_031559.2

UniProt Accession #	P32198 ; P97780 ; Q6IMZ4
Molecular Weight	88,125 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	CPT-1a
NCBI Protein Information	carnitine O-palmitoyltransferase 1, liver isoform; CPT I; CPT1-L; CPTI-L; carnitine palmitoyltransferase 1, liver; carnitine O-palmitoyltransferase I, liver isoform; Carnitine palmitoyltransferase 1 alpha, 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_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://stage.aaabiotech.com/rat-elisa-kits/carnitine-palmitoyltransferase-i-cpt1/22513>