

Human 3-Hydroxyacyl-CoA Dehydratase 1 (PTPLA) ELISA Kit | PTPLA elisa kit

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CATALOG #
AAA331236

REACTIVITY
Human

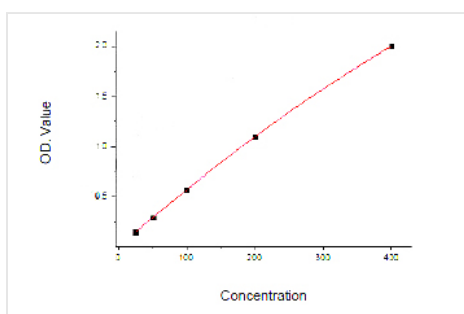
PRODUCT SYNONYMS

3-Hydroxyacyl-CoA Dehydratase 1 (PTPLA); Human 3-Hydroxyacyl-CoA Dehydratase 1 (PTPLA) ELISA Kit; PTPLA; CAP; cementum attachment protein; protein tyrosine phosphatase-like; member A; protein-tyrosine phosphatase-like member A; PTPLA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	288
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTPLA elisa kit

Principle of the Assay: Human 3-Hydroxyacyl-CoA Dehydratase 1 (PTPLA) ELISA Kit employs a two-site sandwich ELISA to quantitate PTPLA in samples. An antibody specific for PTPLA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTPLA present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PTPLA detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of PTPLA bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Catalyzes the third of the four reactions of the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process, allows the addition of two carbons to the chain of long- and very long-chain fatty acids/VLCFAs per cycle. This enzyme catalyzes the dehydration of the 3-hydroxyacyl-CoA intermediate into trans-2,3-enoyl-CoA, within each cycle of fatty acid elongation. Thereby, it participates in the production of VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators.

NCBI AND UNIPROT INFORMATION

NCBI GI #

82659105

NCBI GeneID	9200
NCBI Accession #	NP_055056.3
NCBI GenBank Nucleotide #	NP_055056.3
UniProt Accession #	B0YJ81
NCBI Official Full Name	very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 1
NCBI Official Synonym Full Names	3-hydroxyacyl-CoA dehydratase 1
NCBI Official Symbol	HACD1
NCBI Official Synonym Symbols	CAP; PTPLA
NCBI Protein Information	very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 1
UniProt Protein Name	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 1
UniProt Gene Name	PTPLA
UniProt Synonym Gene Names	HACD1; HACD1
UniProt Entry Name	HACD1_HUMAN

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/human-elisa-kits/3-hydroxyacyl-coa-dehydratase-1-ptpla/331236>