

Human methylcrotonoyl-Coenzyme A carboxylase 1 (alpha) ELISA Kit | MCCC1 elisa kit

Human Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial, MCCC1 ELISA Kit

CATALOG #
AAA112529

REACTIVITY
Human

PRODUCT SYNONYMS

methylcrotonoyl-Coenzyme A carboxylase 1 (alpha); Human Methylcrotonoyl-CoA carboxylase subunit alpha; mitochondrial; MCCC1 ELISA Kit; mitochondrial (MCCC1) ELISA kit; DKFZp686B20267; FLJ25545; MCC-B; MCCA; 3-methylcrotonyl-CoA carboxylase biotin-containing subunit; 3-methylcrotonyl-CoA:carbon dioxide ligase subunit alpha; MCCC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse MBP. No significant cross-reactivity or interference between mouse MBP and analogues was observed.
Sequence Length	725
Samples	Serum, Plasma, Tissue Homogenates
Assay Type	Quantitative Sandwich
Detection Range	18.75 pg/ml-1200 pg/ml
Sensitivity	4.69 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 MCCC1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MBP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MBP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MBP 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 MBP bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116805327
NCBI GeneID	56922
NCBI Accession #	NP_064551.3
NCBI GenBank Nucleotide #	NM_020166.4
UniProt Accession #	Q96RQ3; Q59ES4; Q9H959; Q9NS97
Molecular Weight	80,473 Da
NCBI Official Full Name	methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial isoform 1
NCBI Official Synonym Full Names	methylcrotonoyl-CoA carboxylase 1 (alpha)
NCBI Official Symbol	MCCC1
NCBI Official Synonym Symbols	MCCA; MCC-B
NCBI Protein Information	methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial; MCCase subunit alpha; 3-methylcrotonyl-CoA carboxylase 1; methylcrotonoyl-Coenzyme A carboxylase 1 (alpha); 3-methylcrotonyl-CoA:carbon dioxide ligase subunit alpha; 3-methylcrotonyl-CoA carboxylase biotin-containing subunit
UniProt Protein Name	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial
UniProt Gene Name	MCCC1
UniProt Synonym Gene Names	MCCA; MCCase subunit alpha
UniProt Entry Name	MCCA_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/mccc1-human-elisa-kits/methylcrotonoyl-coenzyme-a-carboxylase-1-alpha/112529>