

Human malonyl coenzyme A ELISA Kit | malonyl CoA elisa kit

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CATALOG #
AAA15691

REACTIVITY
Human

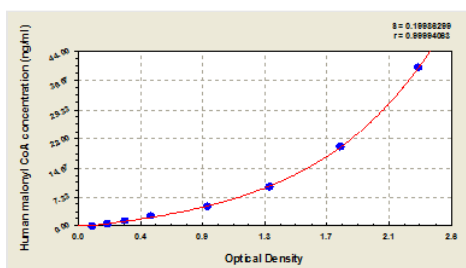
PRODUCT SYNONYMS

malonyl coenzyme A; Human malonyl coenzyme A ELISA Kit; malonyl CoA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human malonyl CoA. No significant cross-reactivity or interference between human malonyl CoA and analogues was observed.
Sequence Length	493
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	0.625 ng/ml-40 ng/ml
Sensitivity	< 0.156 ng/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 malonyl CoA elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	110349750
NCBI GeneID	23417
NCBI Accession #	NP_036345.2
NCBI GenBank Nucleotide #	NM_012213.2
UniProt Accession #	O95822; Q9UNU5; Q9Y3F2
Molecular Weight	50,946 Da
NCBI Official Full Name	malonyl-CoA decarboxylase, mitochondrial
NCBI Official Synonym Full Names	malonyl-CoA decarboxylase
NCBI Official Symbol	MLYCD
NCBI Official Synonym Symbols	MCD
NCBI Protein Information	malonyl-CoA decarboxylase, mitochondrial; malonyl coenzyme A decarboxylase
UniProt Protein Name	Malonyl-CoA decarboxylase, mitochondrial
UniProt Gene Name	MLYCD
UniProt Synonym Gene Names	MCD
UniProt Entry Name	DCMC_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/malonyl-coa-human-elisa-kits/malonyl-coenzyme-a/15691>