

Human Malonyl CoA ELISA Kit | Malonyl CoA elisa kit

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CATALOG #
AAA17280

REACTIVITY
Human

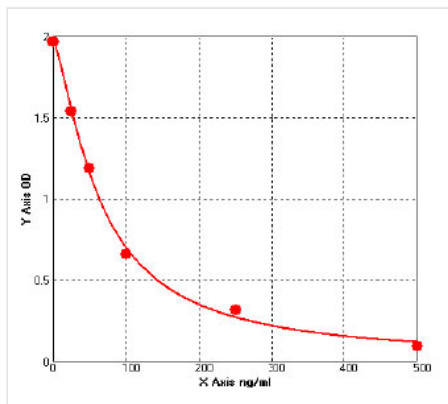
PRODUCT SYNONYMS

Malonyl CoA; Human Malonyl CoA ELISA Kit; Malonyl CoA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MCOA. No significant cross-reactivity or interference between MCOA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MCOA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Malonyl CoA elisa kit	Principle of the Assay: MCOA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MCOA antibody and an MCOA-HRP conjugate. The assay sample and buffer are incubated together with MCOA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MCOA concentration since MCOA from samples and MCOA-HRP conjugate compete for the anti-MCOA antibody binding site. Since the number of sites is limited, as more sites are occupied by MCOA from the sample, fewer sites are left to bind MCOA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MCOA concentration in each sample is interpolated from this standard curve. Intended Uses: This MCOA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MCOA. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	409250538
NCBI Accession #	YP_006886348.1
NCBI GenBank Nucleotide #	NT_187103.1
Molecular Weight	32,405 Da
NCBI Official Full Name	malonyl-CoA
UniProt Protein Name	Malonyl CoA-acyl carrier protein transacylase
UniProt Gene Name	fabD
UniProt Synonym Gene Names	SENTW_2059
UniProt Entry Name	E9A321_SALET

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/malonyl-coa/17280>