

Guinea Pig Malonyl-CoA-acyl Carrier Protein Transacylase ELISA Kit | MCAT elisa kit

Guinea Pig Malonyl-CoA-acyl Carrier Protein Transacylase, Mitochondrial ELISA Kit

CATALOG #
AAA247389

REACTIVITY
Guinea Pig

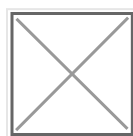
PRODUCT SYNONYMS

Malonyl-CoA-acyl Carrier Protein Transacylase; Guinea Pig Malonyl-CoA-acyl Carrier Protein Transacylase; Mitochondrial ELISA Kit; MCAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of MCAT. No significant cross-reactivity or interference between MCAT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MCAT and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	312
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCAT elisa kit	<p>Intended Uses: This MCAT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig MCAT. This ELISA kit for research use only!</p> <p>Principle of the Assay: MCAT ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MCAT antibody and an MCAT-HRP conjugate. The assay sample and buffer are incubated together with MCAT-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 MCAT concentration since MCAT from samples and MCAT-HRP conjugate compete for the anti-MCAT antibody binding site. Since the number of sites is limited, as more sites are occupied by MCAT from the sample, fewer sites are left to bind MCAT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MCAT concentration in each sample is interpolated from this standard curve.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2738154
NCBI GeneID	880434
Molecular Weight	32,444 Da
NCBI Official Full Name	malonyl-CoA:acyl carrier protein transacylase
NCBI Official Symbol	fabD
NCBI Protein Information	malonyl CoA-ACP transacylase
UniProt Protein Name	Malonyl CoA-acyl carrier protein transacylase
UniProt Gene Name	fabD

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.