

Mouse Acetyl Coenzyme A Carboxylase Alpha (ACACa) ELISA Kit | ACACa elisa kit

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CATALOG #
AAA63429

REACTIVITY
Mouse

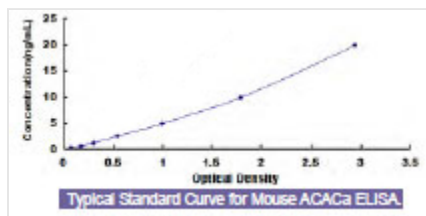
PRODUCT SYNONYMS

Acetyl Coenzyme A Carboxylase Alpha (ACACa); Mouse Acetyl Coenzyme A Carboxylase Alpha (ACACa) ELISA Kit; ACAC; ACC1; ACCA; ACC2; ACCB; ACACB; ACACA; Acetyl CoA Carboxylase; Biotin carboxylase; ACACa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ACACa. No significant cross-reactivity or interference between ACACa and analogues was observed.
Sequence Length	2345
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.113ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACACa were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ACACa were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACACa elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ACACa in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ACACa. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ACACa. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ACACa, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ACACa in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125656173
NCBI GeneID	107476
NCBI Accession #	NP_579938.2
NCBI GenBank Nucleotide #	NM_133360.2
UniProt Accession #	Q5SWU9; Q5SWU6; Q5SWU7; Q5SWU8; Q6JIZ1; Q6PHL9; Q705X8; Q705X9; Q91VC8; Q925C4; Q925C5; A2A6H4
Molecular Weight	269,958 Da
NCBI Official Full Name	acetyl-CoA carboxylase 1
NCBI Official Synonym Full Names	acetyl-Coenzyme A carboxylase alpha
NCBI Official Symbol	Acaca
NCBI Official Synonym Symbols	Acac; Acc1; Gm738; A530025K05Rik
NCBI Protein Information	acetyl-CoA carboxylase 1
UniProt Protein Name	Acetyl-CoA carboxylase 1
UniProt Gene Name	Acaca
UniProt Synonym Gene Names	ACC1

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/mouse-elisa-kits/acetyl-coenzyme-a-carboxylase-alpha-acaca/63429>