

Porcine Acetyl Coenzyme A Carboxylase Alpha ELISA Kit | ACACa elisa kit

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CATALOG #
AAA95934

REACTIVITY
Porcine

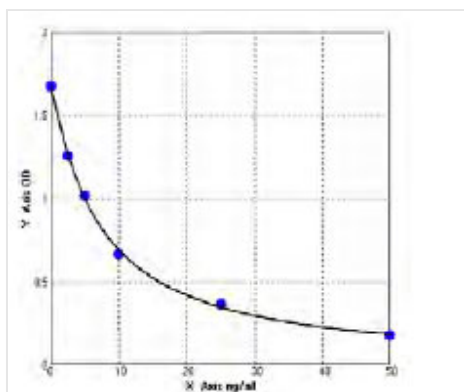
PRODUCT SYNONYMS

Acetyl Coenzyme A Carboxylase Alpha; Porcine Acetyl Coenzyme A Carboxylase Alpha ELISA Kit; ACACa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACACa and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI GI #	38679977
NCBI GeneID	31
NCBI Accession #	NP_942136.1
NCBI GenBank Nucleotide #	NM_198839.2
Molecular Weight	269,999 Da
NCBI Official Full Name	acetyl-CoA carboxylase 1 isoform 2
NCBI Official Synonym Full Names	acetyl-CoA carboxylase alpha
NCBI Official Symbol	ACACA
NCBI Official Synonym Symbols	ACC; ACAC; ACC1; ACCA; ACACAD
NCBI Protein Information	acetyl-CoA carboxylase 1; ACC-alpha; acetyl-Coenzyme A carboxylase alpha
UniProt Protein Name	Acetyl-CoA carboxylase 1
UniProt Gene Name	ACACA
UniProt Synonym Gene Names	ACAC; ACC1; ACCA; ACC1
UniProt Entry Name	ACACA_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.