

Guinea Pig Acetyl Coenzyme A Acetyltransferase 2 ELISA Kit | ACAT2 elisa kit

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CATALOG #
AAA95901

REACTIVITY
Guinea Pig

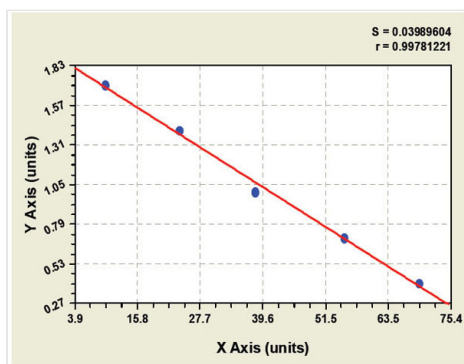
PRODUCT SYNONYMS

Acetyl Coenzyme A Acetyltransferase 2; Guinea pig Acetyl Coenzyme A Acetyltransferase 2 ELISA Kit; ACAT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACAT2 elisa kit

Intended Uses: This ACAT2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig ACAT2. This ELISA kit for research use only!

Principle of the Assay: ACAT2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACAT2 antibody and an ACAT2-HRP conjugate. The assay sample and buffer are incubated together with ACAT2-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 ACAT2 concentration since ACAT2 from samples and ACAT2-HRP conjugate compete for the anti-ACAT2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACAT2 from the sample, fewer sites are left to bind ACAT2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACAT2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148539872
NCBI GeneID	39
NCBI Accession #	NP_005882.2
NCBI GenBank Nucleotide #	NM_005891.2
Molecular Weight	41,351 Da
NCBI Official Full Name	acetyl-CoA acetyltransferase, cytosolic
NCBI Official Synonym Full Names	acetyl-CoA acetyltransferase 2
NCBI Official Symbol	ACAT2
NCBI Protein Information	acetyl-CoA acetyltransferase, cytosolic; acetoacetyl Coenzyme A thiolase; cytosolic acetoacetyl-CoA thiolase; acetyl-CoA transferase-like protein
UniProt Protein Name	Acetyl-CoA acetyltransferase, cytosolic
UniProt Gene Name	ACAT2
UniProt Synonym Gene Names	ACTL
UniProt Entry Name	THIC_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/acet2-guinea-pig-pig-elisa-kits/acetyl-coenzyme-a-acetyltransferase-2/95901>