

Human Acetyl-CoA Acetyltransferase, Cytosolic (ACAT2) ELISA Kit | ACAT2 elisa kit

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CATALOG #
AAA331068

REACTIVITY
Human

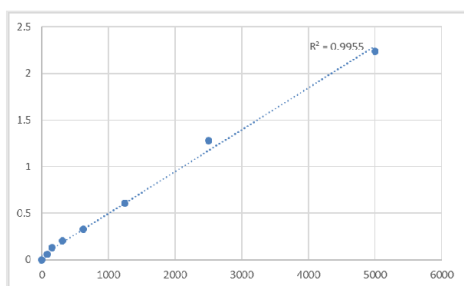
PRODUCT SYNONYMS

Acetyl-CoA Acetyltransferase; Cytosolic (ACAT2); Human Acetyl-CoA Acetyltransferase; Cytosolic (ACAT2) ELISA Kit; ACAT2; Acetoacetyl Coenzyme A thiolase; cytosolic acetoacetyl-CoA thiolase; ACAT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Acetyl-CoA acetyltransferase, cytosolic (ACAT2) ELISA Kit has high sensitivity and excellent specificity for detection of Human ACAT2. No significant cross-reactivity or interference between Human ACAT2 and analogues was observed.
Sequence Length	397
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Acetyl-CoA acetyltransferase, cytosolic (ACAT2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ACAT2 elisa kit	Description: This Human Acetyl-CoA acetyltransferase, cytosolic (ACAT2) ELISA Kit employs a two-site sandwich ELISA to quantitate ACAT2 in samples. An antibody specific for ACAT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACAT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACAT2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ACAT2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ACAT2 is an enzyme involved in lipid metabolism, and it encodes cytosolic acetoacetyl-CoA thiolase. This gene shows complementary overlapping with the 3-prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation. As the human TCP1 gene had been assigned to 6q25-q27 by study of somatic cell hybrids and by in situ hybridization, the ACAT2 gene was suspected to be localized to the same chromosome region. Retention of this close linkage during mammalian evolution suggests the possibility of some functional significance. Transcription of both DNA strands at a given locus is common in prokaryotic and viral systems. For examples of overlapping transcriptional units in humans.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	52000838
NCBI GeneID	39
UniProt Accession #	Q9BWD1
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/acetyl-coa-acetyltransferase-cytosolic-acat2/331068>