

Rat Acyl-coenzyme A thioesterase 2, mitochondrial (ACOT2) ELISA Kit | ACOT2 elisa kit

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CATALOG #
AAA244395

REACTIVITY
Rat

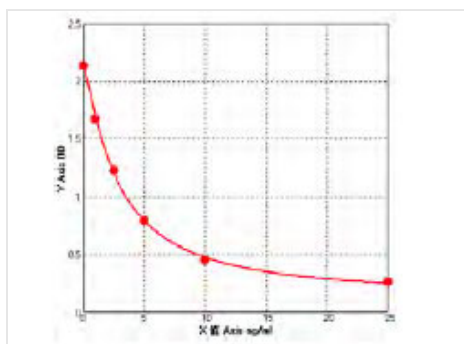
PRODUCT SYNONYMS

Acyl-coenzyme A thioesterase 2; mitochondrial (ACOT2); Rat Acyl-coenzyme A thioesterase 2; mitochondrial (ACOT2) ELISA Kit; ACOT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACOT2 elisa kit

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

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	148727286
NCBI GeneID	10965
NCBI Accession #	NP_006812.3
NCBI GenBank Nucleotide #	NM_006821.5
Molecular Weight	32,959 Da
NCBI Official Full Name	acyl-coenzyme A thioesterase 2, mitochondrial
NCBI Official Synonym Full Names	acyl-CoA thioesterase 2
NCBI Official Symbol	ACOT2
NCBI Official Synonym Symbols	MTE1; PTE2; CTE1A; PTE2A; CTE-IA; ZAP128
NCBI Protein Information	acyl-coenzyme A thioesterase 2, mitochondrial; long-chain acyl-CoA thioesterase 2; mitochondrial acyl-CoA thioesterase 1; acyl-coenzyme A thioester hydrolase 2a; peroxisomal long-chain acyl-coA thioesterase 2
UniProt Protein Name	Acyl-coenzyme A thioesterase 2, mitochondrial
UniProt Gene Name	ACOT2
UniProt Synonym Gene Names	PTE2; PTE2A; Acyl-CoA thioesterase 2
UniProt Entry Name	ACOT2_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/rat-elisa-kits/acyl-coenzyme-a-thioesterase-2-mitochondrial-acot2/244395>