

Mouse Acyl-coenzyme A thioesterase 13 (THEM2) ELISA Kit | THEM2 elisa kit

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CATALOG #
AAA244999

REACTIVITY
Mouse

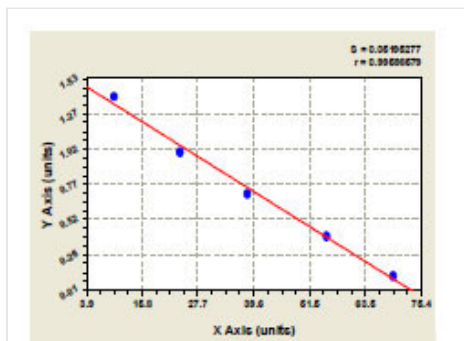
PRODUCT SYNONYMS

Acyl-coenzyme A thioesterase 13 (THEM2); Mouse Acyl-coenzyme A thioesterase 13 (THEM2) ELISA Kit; THEM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/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 THEM2 elisa kit

Intended Uses: This THEM2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse THEM2. This ELISA kit for research use only!

Principle of the Assay: THEM2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-THEM2 antibody and an THEM2-HRP conjugate. The assay sample and buffer are incubated together with THEM2-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 THEM2 concentration since THEM2 from samples and THEM2-HRP conjugate compete for the anti-THEM2 antibody binding site. Since the number of sites is limited, as more sites are occupied by THEM2 from the sample, fewer sites are left to bind THEM2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The THEM2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923812
NCBI GeneID	55856
NCBI Accession #	NP_060943.1
NCBI GenBank Nucleotide #	NM_018473.3
Molecular Weight	12,366 Da
NCBI Official Full Name	acyl-coenzyme A thioesterase 13 isoform 1
NCBI Official Synonym Full Names	acyl-CoA thioesterase 13
NCBI Official Symbol	ACOT13
NCBI Official Synonym Symbols	HT012; THEM2; PNAS-27
NCBI Protein Information	acyl-coenzyme A thioesterase 13; hypothalamus protein HT012; thioesterase superfamily member 2
UniProt Protein Name	Acyl-coenzyme A thioesterase 13
UniProt Gene Name	ACOT13
UniProt Synonym Gene Names	THEM2; HT012; PNAS-27; Acyl-CoA thioesterase 13
UniProt Entry Name	ACO13_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/mouse-elisa-kits/acyl-coenzyme-a-thioesterase-13-them2/244999>