



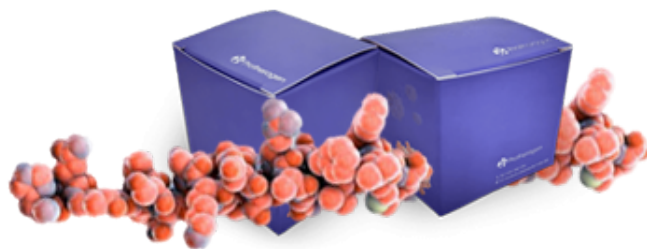
## Rat medium-chain specific acyl-CoA dehydrogenase (ACADM) ELISA kit (3.12-200 ng/mL)

<b>Cat. No.:</b>	OB0525WXX-069
<b>Assay Type:</b>	Quantitative sandwich ELISA
<b>Target Species:</b>	Rat
<b>Assay Target:</b>	ACADM
<b>Size:</b>	48T; 96T

This product is for research use only and is not intended for diagnostic use.

### Product Overview

<b>Description</b>	Rat medium-chain specific acyl-CoA dehydrogenase (ACADM) ELISA kit (3.12-200 ng/mL) is a ready-to-use ELISA kit for analyzing rat ACADM levels with a detection range of 3.12-200 ng/mL and a sensitivity of 0.6 ng/mL.
<b>Assay Principle</b>	A double sandwich elution technique is used in this experiment. The pre-coated antibody is a monoclonal antibody against rat ACADM, and the detection antibody is a biotin-labeled polyclonal antibody. Samples and biotin-labeled antibodies are added to the ELISA plate wells and washed with PBS or TBS. After the reactants are washed with PBS or TBS, they are colored with TMB substrate, which turns blue when catalyzed by the enzyme peroxidase, and finally turns yellow in the presence of acid. The shade of color is positively correlated with the detection factor in the sample.
<b>Background</b>	ACADM is an enzyme that catalyzes the first step of mitochondrial fatty acid oxidation. It may serve as a target to regulate fatty acid metabolism for the treatment of obesity, cancer, and other related diseases.
<b>Synonyms</b>	MCAD; Medium-chain acyl-CoA dehydrogenase; M-CAD; MCADH; Medium-chain specific acyl-CoA dehydrogenase, mitochondrial; EC 1.3.8.7
<b>Formula Weight</b>	47,020 Da



**Applications**

Rat medium-chain specific acyl-CoA dehydrogenase (ACADM) ELISA kit (3.12-200 ng/mL) is designed for the *in vitro* quantitative analysis of ACADM levels in rat serum, plasma, cell culture supernatant, and other samples in the natural and recombinant ACADM concentration samples.

**Research Area**

Fatty acid oxidation; Metabolism; Obesity

## Specification

**Sample Type**

Rat serum; Plasma; Cell culture supernatant; Organizations in the natural and recombinant ACADM concentration

**Detection Range**

3.12-200 ng/mL

**Sensitivity**

0.6 ng/mL

**Precision (Intra-assay)**

CV≤8%

**Precision (Inter-assay)**

CV≤12%

**Cross-reactivity**

No significant cross-reactivity or interference was observed.

**Storage**

Store at 2-8°C.