

# Rat Medium-chain specific acyl-CoA dehydrogenase, mitochondrial (ACADM) ELISA Kit | ACADM elisa kit

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|                              |                          |
|------------------------------|--------------------------|
| CATALOG #<br><b>AAA55304</b> | REACTIVITY<br><b>Rat</b> |
|------------------------------|--------------------------|

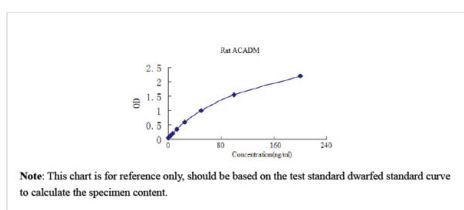
## PRODUCT SYNONYMS

Medium-chain specific acyl-CoA dehydrogenase; mitochondrial (ACADM); Rat Medium-chain specific acyl-CoA dehydrogenase; mitochondrial (ACADM) ELISA Kit; ACADM elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                |
| Specificity             | No cross-reaction with other factors.                                                                              |
| Sequence Length         | 425                                                                                                                |
| Samples                 | Rat serum, plasma or Cell Culture Supernatant and organizations in the natural and recombinant ACADM concentration |
| Assay Type              | Sandwich                                                                                                           |
| Detection Range         | 200 ng/ml-3.12 ng/ml                                                                                               |
| Sensitivity             | 0.6 ng/ml.                                                                                                         |
| Intra-assay Precision   | ? 8%                                                                                                               |
| Inter-assay Precision   | ? 12%                                                                                                              |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for ACADM elisa kit

**Principle of the assay:** This experiment use double-sandwich elisa technique and the ELISA Kit provided is typical. The pre-coated antibody is Rat ACADM monoclonal antibody and the detecting antibody is polyclonal antibody with biotin labeled. Samples and biotin labeling antibody are added into ELISA plate wells and washed out with PBS or TBS. Then Avidin-peroxidase conjugates are added to ELISA wells in order; Use TMB substrate for coloring after reactant thoroughly washed out by PBS or TBS. TMB turns into blue in peroxidase catalytic and finally turns into yellow under the action of acid. The color depth and the testing factors in samples are positively correlated.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 187960098                                                                                                              |
| NCBI GeneID                      | 34                                                                                                                     |
| NCBI Accession #                 | NP_001120800.1                                                                                                         |
| NCBI GenBank Nucleotide #        | NM_001127328.2                                                                                                         |
| Molecular Weight                 | 47,020 Da                                                                                                              |
| NCBI Official Full Name          | medium-chain specific acyl-CoA dehydrogenase, mitochondrial isoform b                                                  |
| NCBI Official Synonym Full Names | acyl-CoA dehydrogenase, C-4 to C-12 straight chain                                                                     |
| NCBI Official Symbol             | ACADM                                                                                                                  |
| NCBI Official Synonym Symbols    | MCAD; ACAD1; MCADH                                                                                                     |
| NCBI Protein Information         | medium-chain specific acyl-CoA dehydrogenase, mitochondrial; acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain |
| UniProt Protein Name             | Medium-chain specific acyl-CoA dehydrogenase, mitochondrial                                                            |
| UniProt Gene Name                | ACADM                                                                                                                  |
| UniProt Synonym Gene Names       | MCAD                                                                                                                   |
| UniProt Entry Name               | ACADM_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/medium-chain-specific-acyl-coa-dehydrogenase-mitochondrial-acadm/55304>