

# Human ACSL4 (Acyl Coenzyme A Synthetase Long Chain Family, Member 4) ELISA Kit | ACSL4 elisa kit

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|-------------------------------|----------------------------|
| CATALOG #<br><b>AAA276527</b> | REACTIVITY<br><b>Human</b> |
|-------------------------------|----------------------------|

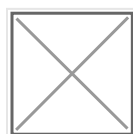
## PRODUCT SYNONYMS

ACSL4 (Acyl Coenzyme A Synthetase Long Chain Family; Member 4); Human ACSL4 (Acyl Coenzyme A Synthetase Long Chain Family; Member 4) ELISA Kit; ACS4; FACL4; LACS4; MRX63; MRX68; Fatty-Acid-Coenzyme A Ligase; Long-Chain 4; Mental Retardation; X-Linked 63; Lignoceroyl-CoA Synthase; ACSL4 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human ACSL4. No significant cross-reactivity or interference between Human ACSL4 and analogues was observed. |
| Assay Type              | Sandwich                                                                                                                                                                                |
| Detection Range         | 0.16-10 ng/mL                                                                                                                                                                           |
| Sensitivity             | 0.053 ng/mL                                                                                                                                                                             |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.                  |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.                   |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                                        |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

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| Related Product Information for ACSL4 elisa kit | Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to ACSL4(Acyl Coenzyme A Synthetase Long Chain Family, Member 4). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to ACSL4(Acyl Coenzyme A Synthetase Long Chain Family, Member 4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ACSL4(Acyl Coenzyme A Synthetase Long Chain Family, Member 4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of ACSL4(Acyl Coenzyme A Synthetase Long Chain Family, Member 4) in the samples is then determined by comparing the OD of the samples to the standard curve. |
| Product Categories/Family for ACSL4 elisa kit   | Enzyme & Kinase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**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/human-elisa-kits/acsl4-acyl-coenzyme-a-synthetase-long-chain-family-member-4/276527>