

## Mouse Fatty Acid Transport Protein 1 (FATP1) ELISA Kit | FATP1 elisa kit

Mouse Fatty Acid Transport Protein 1 (FATP1) ELISA Kit

CATALOG #  
**AAA68404**

REACTIVITY  
**Mouse**

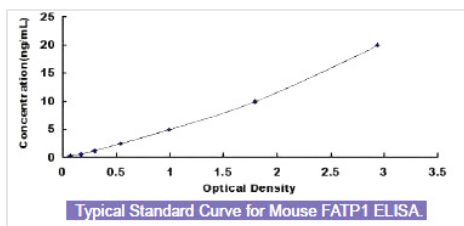
### PRODUCT SYNONYMS

Fatty Acid Transport Protein 1 (FATP1); Mouse Fatty Acid Transport Protein 1 (FATP1) ELISA Kit; SLC27A1; ACSVL5; FATP; Long-Chain Fatty Acid Transport Protein 1; Solute Carrier Family 27 Member 1; Fatty Acid Transporter; FATP1 elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Mouse                                                                                                                                                                                                     |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of FATP1. No significant cross-reactivity or interference between FATP1 and analogues was observed.                               |
| Sequence Length       | 646                                                                                                                                                                                                       |
| Samples               | Serum, plasma, tissue homogenates, cell lysates and other biological fluids                                                                                                                               |
| Assay Type            | Quantitative Sandwich                                                                                                                                                                                     |
| Detection Range       | 0.312-20ng/mL                                                                                                                                                                                             |
| Sensitivity           | <0.106ng/mL.                                                                                                                                                                                              |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FATP1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FATP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for FATP1 elisa kit | <p>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of FATP1 in mouse serum, plasma, tissue homogenates, cell lysates and other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FATP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FATP1. 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 FATP1, 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 FATP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| NCBI GI #                        | 6755546                                                     |
| NCBI GeneID                      | 26457                                                       |
| NCBI Accession #                 | NP_036107.1                                                 |
| NCBI GenBank Nucleotide #        | NM_011977.4                                                 |
| UniProt Accession #              | Q60714                                                      |
| Molecular Weight                 | 71,276 Da                                                   |
| NCBI Official Full Name          | long-chain fatty acid transport protein 1                   |
| NCBI Official Synonym Full Names | solute carrier family 27 (fatty acid transporter), member 1 |
| NCBI Official Symbol             | Slc27a1                                                     |
| NCBI Official Synonym Symbols    | Fatp; FATP1                                                 |
| NCBI Protein Information         | long-chain fatty acid transport protein 1                   |
| UniProt Protein Name             | Long-chain fatty acid transport protein 1                   |
| UniProt Gene Name                | Slc27a1                                                     |
| UniProt Synonym Gene Names       | Fatp; Fatp1; FATP-1; Fatty acid transport protein 1         |

**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](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/fatty-acid-transport-protein-1-fatp1/68404>