

Mouse Fatty Acid Transport Protein 4 (FATP4) ELISA Kit | FATP4 elisa kit

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CATALOG #
AAA68405

REACTIVITY
Mouse

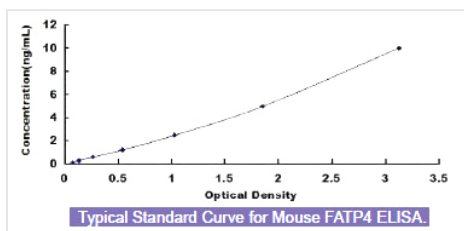
PRODUCT SYNONYMS

Fatty Acid Transport Protein 4 (FATP4); Mouse Fatty Acid Transport Protein 4 (FATP4) ELISA Kit; SLC27A4; FATP4; Long-Chain Fatty Acid Transport Protein 4; Solute Carrier Family 27 Member 4; Fatty Acid Transporter; FATP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of FATP4. No significant cross-reactivity or interference between FATP4 and analogues was observed.
Sequence Length	643
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.078ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FATP4 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 FATP4 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 FATP4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of FATP4 in mouse serum, plasma, tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FATP4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FATP4. 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 FATP4, 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 FATP4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45597453
NCBI GeneID	26569
NCBI Accession #	NP_036119.1
NCBI GenBank Nucleotide #	NM_011989.4
UniProt Accession #	Q91VE0; O88562; Q3TD48
Molecular Weight	72,319 Da
NCBI Official Full Name	long-chain fatty acid transport protein 4
NCBI Official Synonym Full Names	solute carrier family 27 (fatty acid transporter), member 4
NCBI Official Symbol	Slc27a4
NCBI Official Synonym Symbols	FATP4; BB144259
NCBI Protein Information	long-chain fatty acid transport protein 4
UniProt Protein Name	Long-chain fatty acid transport protein 4
UniProt Gene Name	Slc27a4
UniProt Synonym Gene Names	Acsvl4; Fatp4; FATP-4; Fatty acid transport protein 4

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/mouse-elisa-kits/fatty-acid-transport-protein-4-fatp4/68405>