

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

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CATALOG #
AAA277709

REACTIVITY
Human

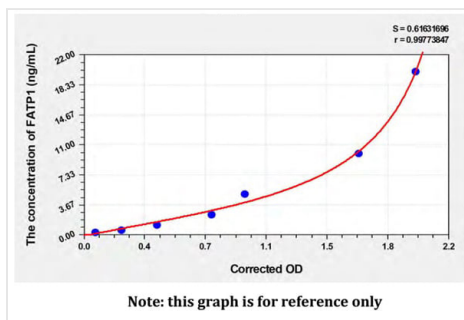
PRODUCT SYNONYMS

FATP1 (Fatty Acid Transport Protein 1); Human FATP1 (Fatty Acid Transport Protein 1) 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human FATP1. No significant cross-reactivity or interference between Human FATP1 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.32-20 ng/mL
Sensitivity	0.12 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FATP1 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 Human FATP1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human 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 Human 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 Human FATP1 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38524616
NCBI GeneID	376497
NCBI Accession #	NP_940982.1
NCBI GenBank Nucleotide #	NM_198580.2
UniProt Accession #	Q6PCB7; A6NIH2; B7Z662
Molecular Weight	51,780 Da
NCBI Official Full Name	long-chain fatty acid transport protein 1
NCBI Official Synonym Full Names	solute carrier family 27 member 1
NCBI Official Symbol	SLC27A1
NCBI Official Synonym Symbols	FATP; FATP1; ACSVL5; FATP-1
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	ACSVL5; 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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/fatp1-fatty-acid-transport-protein-1/277709>