Human Fatty acid transport protein 5 (FATP5) ELISA Kit

Catalog No: #EK7284

Package Size: #EK7284-1 48T #EK7284-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Fatty acid transport protein 5 (FATP5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ACSB; ACSVL6; FACVL3; FATP5; FLJ22987; VLACSR; VLCS-H2; VLCSH2; fatty-acid-Coenzyme A ligase; very long-chain 3|very long-chain acyl-CoA synthetase homolog 2|very long-chain acyl-CoA synthetase-rela
Accession No.	Q9Y2P5
Uniprot	Q9Y2P5
GeneID	10998;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.055 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SLC27A5 in samples. An antibody specific for SLC27A5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySLC27A5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC27A5 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SLC27A5 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Very long chain fatty acid synthetase (VLACS, or SLC27A2), an enzyme whose function is presumed missing in ALD, is highly expressed in liver and kidney, but is expressed at much lower levels in brain. However, brain contains high amounts of VLCFA and is the organ most affected in ALD. In an attempt to isolate a VLACS isoform with a different tissue distribution, Berger et al. (1998) used degenerate PCR to clone a mouse cDNA and a partial human cDNA encoding a VLACS-related protein, termed VLACSR. VLACSR is 43% identical to mouse VLACS and 37% identical to mouse FATP. Northern blot analysis of mouse tissues revealed that a 2.6-kb VLACSR mRNA was highly abundant in liver. Smaller VLACSR transcripts were present at low levels in brain, lung, testis, spleen, and skeletal muscle.

Note: This product is for in vitro research use only