

Human Lipase member H (LIPH) ELISA Kit

Catalog No: #EK10074



Package Size: #EK10074-1 48T #EK10074-2 96T

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Description

Product Name	Human Lipase member H (LIPH) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	AH; LPDLR; PLA1B; mPA-PLA1; lipase H mPA-PLA1 alpha membrane-bound phosphatidic acid-selective phospholipase A1
Accession No.	Q8WWY8
Uniprot	Q8WWY8
GeneID	200879;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.68 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 LIPH in samples. An antibody specific for LIPH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLIPH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LIPH 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 LIPH bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Lipase member H is a membrane-bound member of the mammalian triglyceride lipase family. It catalyzes the production of 2-acyl lysophosphatidic acid (LPA), which is a lipid mediator with diverse biological properties that include platelet aggregation, smooth muscle contraction, and stimulation of cell proliferation and motility.Present in intestine (at protein level). Expressed in colon, prostate, kidney, pancreas, ovary, testis, intestine, lung and pancreas. Expressed at lower level in brain, spleen and heart. In hair, it is prominently expressed in hair follicles, including the stem cell-rich bulge region.Defects in LIPH are the cause of alopecia universalis congenita Mari type (AUCM). AUCM is a recessive autosomal form of alopecia that is common in the Mari population, a large aboriginal Finno-Ugric population in the Volga-Ural region of Russia.

Note: This product is for in vitro research use only