

Mouse Hepatic lipase (HL) ELISA Kit

Catalog No: #EK10077



Package Size: #EK10077-1 48T #EK10077-2 96T

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Description

Product Name	Mouse Hepatic lipase (HL) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	HDLCQ12; HL; HTGL; LIPH; lipase C
Accession No.	P27656
Uniprot	P27656
GeneID	15450;
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:0.312-20 ng/mL

Sensitivity:0.126 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 LIPC in samples. An antibody specific for LIPC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLIPC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LIPC 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 LIPC bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Hepatic lipase is a form of lipase. It is expressed in the liver and adrenal glands.One of the principal functions of hepatic lipase is to convert IDL to LDL.LIPC encodes hepatic triglyceride lipase, which is expressed in liver. LIPC has the dual functions of triglyceride hydrolase and ligand/bridging factor for receptor-mediated lipoprotein uptake.

Hepatic lipase deficiency is a rare, autosomal recessive disorder that results in elevated high density lipoprotein (HDL) cholesterol due to a mutation in the hepatic lipase gene. Clinical features are not well understood and there are no characteristic xanthomas. There is an association with a delay in atherosclerosis in an animal model.

Note: This product is for in vitro research use only