

Human Lipase, Hormone Sensitive (LIPE) ELISA Kit | LIPE elisa kit

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CATALOG #
AAA67144

REACTIVITY
Human

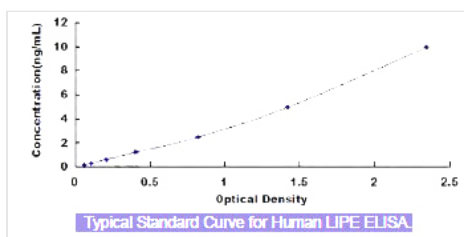
PRODUCT SYNONYMS

Lipase; Hormone Sensitive (LIPE); Human Lipase; Hormone Sensitive (LIPE) ELISA Kit; HSL; LHS; Hormone Sensitive Lipase; LIPE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LIPE. No significant cross-reactivity or interference between LIPE and analogues was observed.
Sequence Length	1076
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.067ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LIPE 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 LIPE were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LIPE elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LIPE in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LIPE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LIPE. 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 LIPE, 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 LIPE 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 #	21328446
NCBI GeneID	3991
NCBI Accession #	NP_005348.2
NCBI GenBank Nucleotide #	NM_005357.3
UniProt Accession #	Q05469; Q3LRT2; Q6NSL7
Molecular Weight	84,128 Da
NCBI Official Full Name	hormone-sensitive lipase
NCBI Official Synonym Full Names	lipase E, hormone sensitive type
NCBI Official Symbol	LIPE
NCBI Official Synonym Symbols	HSL; LHS; AOMS4; FPLD6
NCBI Protein Information	hormone-sensitive lipase
UniProt Protein Name	Hormone-sensitive lipase
UniProt Gene Name	LIPE
UniProt Synonym Gene Names	HSL

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/lipase-hormone-sensitive-lipe/67144>