

Mouse Lipase A, Lysosomal Acid (LIPA) ELISA Kit | LIPA elisa kit

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CATALOG #
AAA67595

REACTIVITY
Mouse

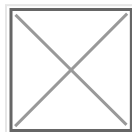
PRODUCT SYNONYMS

Lipase A; Lysosomal Acid (LIPA); Mouse Lipase A; Lysosomal Acid (LIPA) ELISA Kit; LAL; CESD; Lysosomal Acid; Cholesterol Esterase(Wolman Disease); Acid Cholesteryl Ester Hydrolase; Lysosomal acid lipase/cholesteryl ester hydrolase; LIPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of LIPA. No significant cross-reactivity or interference between LIPA and analogues was observed.
Sequence Length	397
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.117ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LIPA 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 LIPA 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 LIPA elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LIPA. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LIPA. 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 LIPA, 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 LIPA in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of LIPA in mouse serum, plasma, tissue homogenates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	162287343
NCBI GeneID	16889
NCBI Accession #	NP_001104570.1
NCBI GenBank Nucleotide #	NM_001111100.1
UniProt Accession #	Q9Z0M5; Q8C2G7
Molecular Weight	45,325 Da
NCBI Official Full Name	lysosomal acid lipase/cholesteryl ester hydrolase
NCBI Official Synonym Full Names	lysosomal acid lipase A
NCBI Official Symbol	Lipa
NCBI Official Synonym Symbols	Lal; Lip1; Lip-1; AA960673
NCBI Protein Information	lysosomal acid lipase/cholesteryl ester hydrolase
UniProt Protein Name	Lysosomal acid lipase/cholesteryl ester hydrolase
UniProt Gene Name	Lipa
UniProt Synonym Gene Names	Lip1; Acid cholesteryl ester hydrolase; LAL

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/mouse-elisa-kits/lipase-a-lysosomal-acid-lipa/67595>