

Mouse Lipin 1 (LPIN1) ELISA Kit | LPIN1 elisa kit

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CATALOG #
AAA66032

REACTIVITY
Mouse

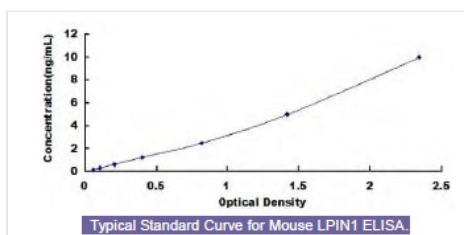
PRODUCT SYNONYMS

Lipin 1 (LPIN1); Mouse Lipin 1 (LPIN1) ELISA Kit; Phosphatidate phosphatase LPIN1; LPIN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of LPIN1. No significant cross-reactivity or interference between LPIN1 and analogues was observed.
Sequence Length	891
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.051ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LPIN1 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 LPIN1 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 LPIN1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LPIN1 in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LPIN1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LPIN1. 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 LPIN1, 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 LPIN1 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 #	194353985
NCBI GeneID	14245
NCBI Accession #	NP_001123884.1
NCBI GenBank Nucleotide #	NM_001130412.1
UniProt Accession #	Q91ZP3; Q9CQI2; Q9JLG6
Molecular Weight	98,496 Da
NCBI Official Full Name	phosphatidate phosphatase LPIN1 isoform a
NCBI Official Synonym Full Names	lipin 1
NCBI Official Symbol	Lpin1
NCBI Official Synonym Symbols	fld; Lipin1; Kiaa0188; mKIAA0188; 4631420P06
NCBI Protein Information	phosphatidate phosphatase LPIN1
UniProt Protein Name	Phosphatidate phosphatase LPIN1
UniProt Gene Name	Lpin1
UniProt Synonym Gene Names	Fld

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.