

Human Lysophospholipase III (LYPLA3) ELISA Kit | LYPLA3 elisa kit

Human Lysophospholipase III (LYPLA3)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152367

REACTIVITY
Human

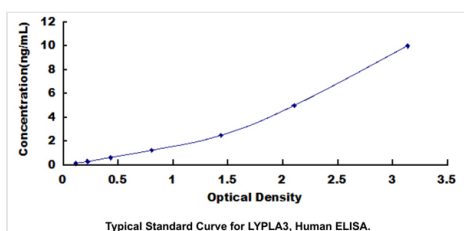
PRODUCT SYNONYMS

Lysophospholipase III (LYPLA3); Human Lysophospholipase III (LYPLA3)(Sandwich ELISA) ELISA Kit; ELISA Kit for Lysophospholipase III (LYPLA3); PLA2G15; ACS; LLPL; LPLA2; GXVPLA2; Lysosomal Phospholipase A2; Group XV Phospholipase A2; 1-O-acylceramide synthase; LCAT-like lysophospholipase; LYPLA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LYPLA3. No significant cross-reactivity or interference between LYPLA3 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenatesand other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LYPLA3 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 LYPLA3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year The stability of 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.To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LYPLA3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LYPLA3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LYPLA3. 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 LYPLA3, 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 LYPLA3 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 in vitro quantitative measurement of LYPLA3 in human serum, plasma, tissue homogenatesand other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119603624
NCBI GeneID	23659
UniProt Accession #	Q8NCCC3; Q53GZ1; Q9NPQ6; Q9UG04; Q9Y2B3; B3KMF3; B4DUD1
Molecular Weight	35,717 Da
NCBI Official Full Name	lysophospholipase 3 (lysosomal phospholipase A2), isoform CRA_b, partial
NCBI Official Synonym Full Names	phospholipase A2 group XV
NCBI Official Symbol	PLA2G15
NCBI Official Synonym Symbols	ACS; LLPL; LPLA2; LYPLA3; GXVPLA2
NCBI Protein Information	group XV phospholipase A2
UniProt Protein Name	Group XV phospholipase A2
UniProt Gene Name	PLA2G15
UniProt Synonym Gene Names	LYPLA3; ACS; LLPL1 PublicationManual assertion based on opinion iniRef.1; LPLA22 PublicationsManual assertion based on opinion iniRef.11

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.