

Human Acyl protein thioesterase 2 (LYPLA2) ELISA Kit | LYPLA2 elisa kit

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CATALOG #
AAA245527

REACTIVITY
Human

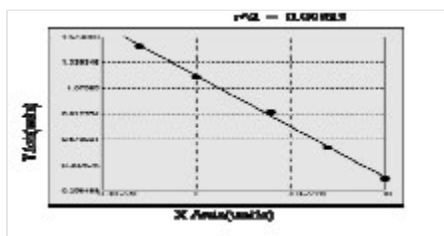
PRODUCT SYNONYMS

Acyl protein thioesterase 2 (LYPLA2); Human Acyl protein thioesterase 2 (LYPLA2) ELISA Kit; LYPLA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LYPLA2 elisa kit

Intended Uses||This LYPLA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LYPLA2. This ELISA kit for research use only!

Principle of the Assay: LYPLA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LYPLA2 antibody and an LYPLA2-HRP conjugate. The assay sample and buffer are incubated together with LYPLA2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LYPLA2 concentration since LYPLA2 from samples and LYPLA2-HRP conjugate compete for the anti-LYPLA2 antibody binding site. Since the number of sites is limited, as more sites are occupied by LYPLA2 from the sample, fewer sites are left to bind LYPLA2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LYPLA2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for LYPLA2 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	9966764
NCBI GeneID	11313
NCBI Accession #	NP_009191.1
NCBI GenBank Nucleotide #	NM_007260.2
Molecular Weight	24,737 Da
NCBI Official Full Name	acyl-protein thioesterase 2
NCBI Official Synonym Full Names	lysophospholipase II
NCBI Official Symbol	LYPLA2
NCBI Official Synonym Symbols	APT-2; DJ886K2.4
NCBI Protein Information	acyl-protein thioesterase 2; LPL-II; lysoPLA II
UniProt Protein Name	Acyl-protein thioesterase 2
UniProt Gene Name	LYPLA2
UniProt Synonym Gene Names	APT2; APT-2; LPL-II; LysoPLA II
UniProt Entry Name	LYPA2_HUMAN

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/acyl-protein-thioesterase-2-lypla2/245527>