

Mouse Lipid phosphate phosphohydrolase 1 (PPAP2A) ELISA Kit | PPAP2A elisa kit

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CATALOG #
AAA245214

REACTIVITY
Mouse

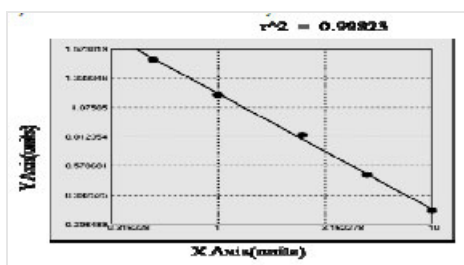
PRODUCT SYNONYMS

Lipid phosphate phosphohydrolase 1 (PPAP2A); Mouse Lipid phosphate phosphohydrolase 1 (PPAP2A) ELISA Kit; PPAP2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPAP2A elisa kit

Intended Uses: This PPAP2A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PPAP2A.

Principle of the Assay: PPAP2A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PPAP2A antibody and an PPAP2A-HRP conjugate. The assay sample and buffer are incubated together with PPAP2A-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 PPAP2A concentration since PPAP2A from samples and PPAP2A-HRP conjugate compete for the anti-PPAP2A antibody binding site. Since the number of sites is limited, as more sites are occupied by PPAP2A from the sample, fewer sites are left to bind PPAP2A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PPAP2A concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PPAP2A elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679431
NCBI GeneID	19012
NCBI Accession #	NP_032929.1
NCBI GenBank Nucleotide #	NM_008903.2
Molecular Weight	31,996 Da
NCBI Official Full Name	lipid phosphate phosphohydrolase 1 isoform 2
NCBI Official Synonym Full Names	phosphatidic acid phosphatase type 2A
NCBI Official Symbol	Ppap2a
NCBI Official Synonym Symbols	LPP1; mPAP; Hic53; LPP-1; PAP2a; Hpic53; PAP-2a; PAP2-alpha
NCBI Protein Information	lipid phosphate phosphohydrolase 1; 35 kDa PAP; phosphatidic acid phosphatase 2a; hydrogen peroxide inducible protein 53; phosphatidate phosphohydrolase type 2a
UniProt Protein Name	Lipid phosphate phosphohydrolase 1
UniProt Gene Name	Ppap2a
UniProt Synonym Gene Names	Hpic53; Lpp1; mPAP; Hic53; PAP-2a; PAP2a
UniProt Entry Name	LPP1_MOUSE

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/lipid-phosphate-phosphohydrolase-1-ppap2a/245214>