

Product datasheet

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ARG83224 Human ACP6 ELISA Kit

Package: 96 wells Store at: 4°C

Summary

Product Description ARG83224 Human ACP6 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human ACP6

in Serum, Plasma and Cell culture supernatants.

Tested Reactivity Hu

Tested Application ELISA

Specificity There is no detectable cross-reactivity with other relevant proteins.

Target Name ACP6

Conjugation HRP

Conjugation Note Substrate: TMB and read at 450 nm.

Sensitivity 15 pg/ml

Detection Range 15.6 pg/ml - 1,000 pg/ml

Sample Type Serum, Plasma and Cell culture supernatants

Precision Intra-Assay CV: 5.6%

Inter-Assay CV: 4.4%

Alternate Names ACP6; Acid Phosphatase 6, Lysophosphatidic; ACPL1; LPAP; Lysophosphatidic Acid Phosphatase Type 6;

Acid Phosphatase-Like Protein 1; PACPL1; Lysophosphatidic Acid Phosphatase; EC 3.1.3.2

Application Instructions

Assay Time ~ 5 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test

reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual

for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol ACP6

Gene Full Name Acid Phosphatase 6, Lysophosphatidic

Background This gene encodes a member of the histidine acid phosphatase protein family. The encoded protein

hydrolyzes lysophosphatidic acid, which is involved in G protein-coupled receptor signaling, lipid raft modulation, and in balancing lipid composition within the cell. Alternative splicing results in multiple

transcript variants.

Function Hydrolyzes lysophosphatidic acid (LPA) containing a medium length fatty acid chain to the

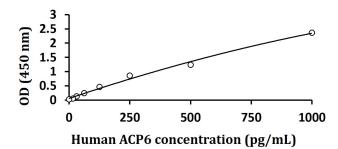
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corresponding monoacylglycerol. Has highest activity with lysophosphatidic acid containing myristate (C14:0), monounsaturated oleate (C18:1) or palmitate (C16:0), and lower activity with C18:0 and C6:0 lysophosphatidic acid.

Cellular Localization

Mitochondrion

Images



ARG83224 Human ACP6 ELISA Kit standard curve image

ARG83224 Human ACP6 ELISA Kit results of a typical standard run with optical density reading at 450 nm.