



Datasheet for ABIN7505837
anti-AGPS antibody (AA 158-384) (APC)



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1 Image

Overview

Quantity:	0.1 mg
Target:	AGPS
Binding Specificity:	AA 158-384
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AGPS antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-AGPS APC
Immunogen:	recombinant human AGPS (amino acids 158-384)
Clone:	AGPS-03
Isotype:	IgG2a
Specificity:	The mouse monoclonal antibody AGPS-03 recognizes AGPS (alkylglycerone phosphate synthase), an intracellular peroxisomal enzyme important for lipid biosynthesis.
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

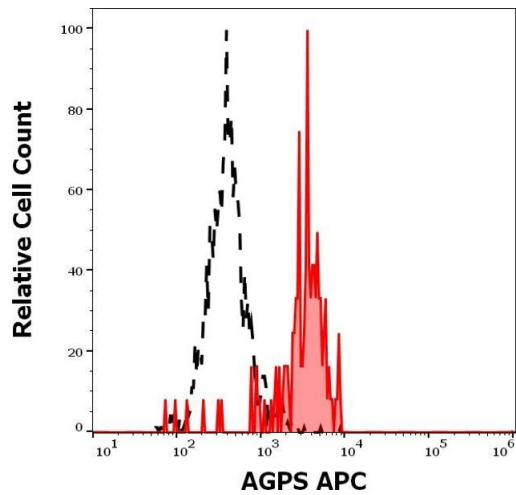
Target:	AGPS
Alternative Name:	AGPS (AGPS Products)
Background:	Alkylglycerone phosphate synthase,AGPS (alkylglycerone phosphate synthase), is an enzyme that catalyzes the second step of ether lipid biosynthesis in which acyl-dihydroxyacetone phosphate (acyl-DHAP) is converted to alkyl-DHAP by addition of a long chain alcohol and removal of a long-chain acid anion. The protein is localized to the inner side of the peroxisomal membrane and requires FAD as a cofactor. Mutations in AGPS gene have been associated with type 3 of rhizomelic chondrodysplasia punctata (RCDP3), and Zellweger syndrome. Higher expression of AGPS was observed in BCR/ABL positive leukemias and it was also described to be associated with higher risk of relapse.,ADAS, ADPS, RCDP3, ADAP-S, ADHAPS, ALDHPSY
Gene ID:	8540
UniProt:	O00116
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. Intracellular staining.
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Separation of A431 cells stained using anti-AGPS (MHD4-46) APC antibody (10 μ L reagent per million cells in 100 μ L of cell suspension, red-filled) from A431 cells stained using mouse IgG2a isotype control (MOPC-173) APC antibody (concentration in sample 5 μ g/mL, same as AGPS APC antibody concentration, black-dashed) in flow cytometry analysis (intracellular staining).