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# 30-1533AC: APC Conjugated Anti-AGPS Monoclonal Antibody (Clone: AGPS-03)

| | |
|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | AGPS-03 |
| **Application :** | FACS |
| **Reactivity :** | Human |
| **Conjugate :** | APC |
| **Gene :** | AGPS |
| **Gene ID :** | 8540 |
| **Uniprot ID :** | O00116 |
| **Format :** | Purified |
| **Alternative Name :** | AGPS,AAG5 |
| **Isotype :** | Mouse IgG2a |
| **Immunogen Information :** | recombinant human AGPS (amino acids 158-384) |

## Description

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.

## Product Info

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| **Amount :** | 0.1 mg |
| **Purification :** | Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |
| **Content :** | 0.1 mg/ml Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| **Storage condition :** | Store at 2-8°C protected from light. Do not freeze. |

## Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 106 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. Intracellular staining.

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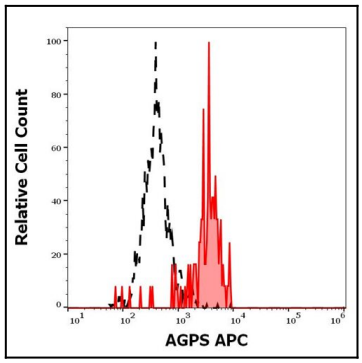


Figure 1: Separation of A431 cells stained using anti-AGPS (MHD4-46) APC antibody (10 µl reagent per million cells in 100 µl of cell suspension, red-filled) from A431 cells stained using mouse IgG2a isotype control (MOPC-173) APC antibody (concentration in sample 5 µg/ml, same as AGPS APC antibody concentration,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