

## Anti-AGPS Purified Monoclonal Antibody

Catalog Number: M03481

### About AGPS

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.

### Overview

Product Name	Anti-AGPS Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-AGPS Purified Monoclonal Antibody (Catalog# M03481). Tested in Flow Cytometry, WB application(s). This antibody reacts with Human.
Application	Flow Cytometry, WB
Clonality	Monoclonal AGPS-03
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	O00116

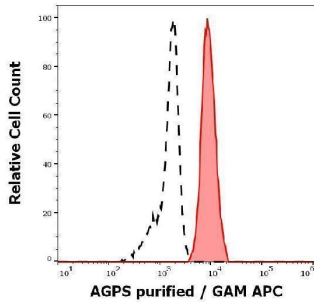
### Technical Details

Immunogen	Recombinant human AGPS (amino acids 158-384). The mouse monoclonal antibody AGPS-03 recognizes AGPS (alkylglycerone phosphate synthase), an intracellular peroxisomal enzyme important for lipid biosynthesis.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG2a
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

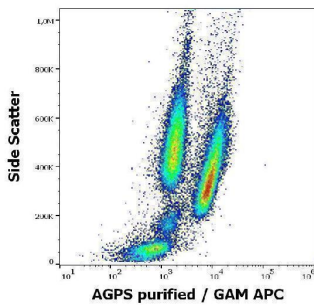
Suggested Dilutions

Flow cytometry: 1-4 ug/ml. Intracellular staining.  
Western blotting: 1-2 ug/ml.

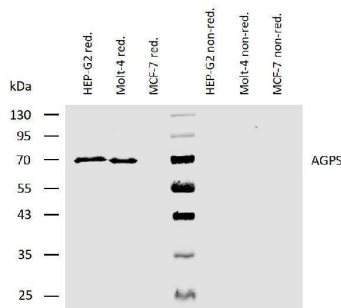
## Anti-AGPS Purified Monoclonal Antibody (M03481) Images



Separation of K562 cells (red-filled) from human leukocytes (black-dashed) in flow cytometry analysis (intracellular staining) of human peripheral whole blood spiked with K562 cells stained using anti-AGPS (AGPS-03) purified antibody (concentration in sample 5 µg/ml, GAM APC).



Flow cytometry intracellular staining pattern of human peripheral whole blood spiked with K562 cells stained using anti-AGPS (AGPS-03) purified antibody (concentration in sample 5 µg/ml, GAM APC).



Western blotting analysis of human AGPS using mouse monoclonal antibody AGPS-03 on lysates of HEP-G2 and Molt-4 cells, and MCF-7 cells (negative control) under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-AGPS monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. AGPS was detected at approximately 70 kDa.

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### Anti-AGPS Purified Monoclonal Antibody

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