

ABflo® 647 Rabbit anti-puromycin mAb

Catalog NO.: A23131

Basic Information

Observed MW

Calculated MW

Category

Monoclonal Antibodies

Applications

FC (intra)

Cross-Reactivity

Species independent

Conjugation

ABflo® 647. Ex:648nm. Em:664nm.

Clone number

ARC58626

Background

Puromycin is an aminonucleoside antibiotic, derived from the Streptomyces alboniger bacterium, that causes premature chain termination during translation taking place in the ribosome. It has a role as a nucleoside antibiotic, an antiinfective agent, an antineoplastic agent, a protein synthesis inhibitor, an antimicrobial agent, an EC 3.4.11.14 (cytosol alanyl aminopeptidase) inhibitor and an EC 3.4.14.2 (dipeptidyl-peptidase II) inhibitor. It is a conjugate base of a puromycin(1+).Puromycin is an antibiotic that prevents bacterial protein translation. It is utilized as a selective agent in laboratory cell cultures. Puromycin is toxic to both prokaryotic and eukaryotic cells, resulting in significant cell death at appropriate doses.

Recommended Dilutions

FC (intra) 5 µl per 10⁶ cells in 100 µl volume

Immunogen Information

Gene ID

CAS:58-58-2

Swiss Prot

Immunogen

Chemical compounds corresponding to puromycin.

Synonyms

Puromycin

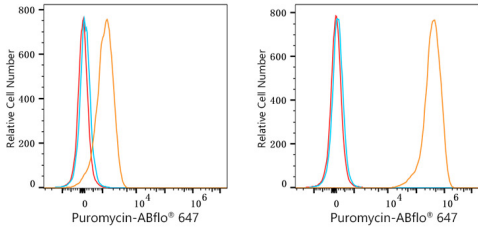
Contact

Product Information

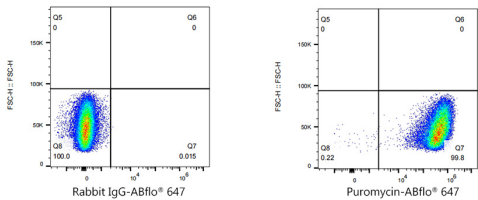
☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

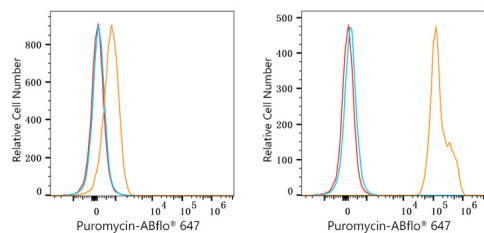
Validation Data



Flow cytometry:1X10^6 293T cells (negative control,Left) and 293T (treated with puromycin,right) cells were intracellularly-stained with ABflo® 647 Rabbit anti-puromycin mAb(A23131,5 µl/Test,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).

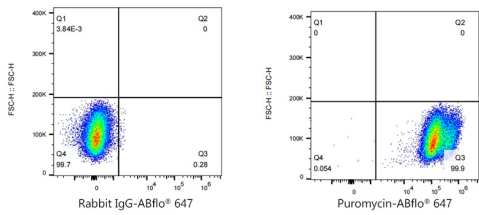


Flow cytometry:1X10^6 293T cells(treated with puromycin) were intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,left) or ABflo® 647 Rabbit anti-puromycin mAb(A23131,5 µl/Test,right).

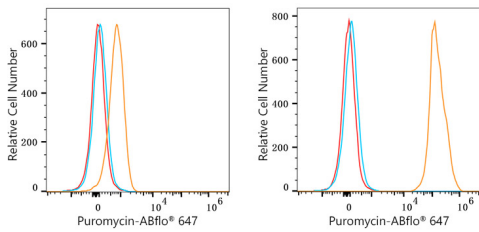


Flow cytometry: 1×10^6 RAW 264.7 cells (negative control, Left) and RAW 264.7 (treated with puromycin, right) cells were intracellularly-stained with ABflo® 647 Rabbit anti-puromycin mAb ($A23131$, $5 \mu\text{l}/\text{Test}$, orange line) or ABflo® 647 Rabbit IgG isotype control ($A22070$, $5 \mu\text{l}/\text{Test}$, blue line). Non-fluorescently stained cells were used as blank control (red line).

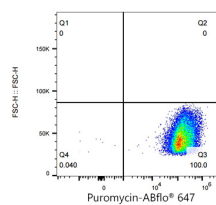
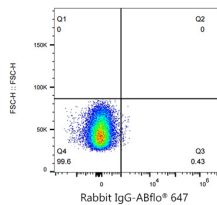
Validation Data



Flow cytometry: 1×10^6 Raw264.7 cells (treated with puromycin) were intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-puromycin mAb (A23131, 5 μ l/Test, right).



Flow cytometry: 1×10^6 C6 cells (negative control, Left) and C6 (treated with puromycin, right) cells were intracellularly-stained with ABflo® 647 Rabbit anti-puromycin mAb (A23131, 5 μ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 C6 cells (treated with puromycin) were intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-puromycin mAb (A23131, 5 μ l/Test, right).

