

ABflo® 594 Rabbit anti-puromycin mAb

Catalog NO.: A24258

Basic Information

Observed MW

Calculated MW

Category

Monoclonal Antibodies

Applications

FC (intra)

Cross-Reactivity

Species independent

Conjugation

ABflo® 594. Ex:588nm. Em:604nm.

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

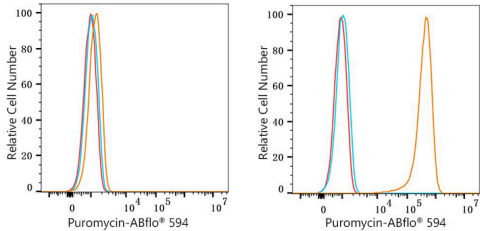
Contact

Product Information

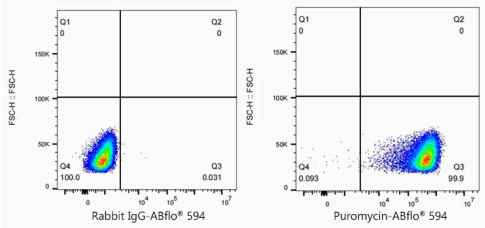
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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



Flow cytometry: 1X10^6 293T cells (negative control,left) and 293T (treated with puromycin,right) cells were intracellularly-stained with ABflo® 594 Rabbit anti-puromycin mAb(A24258,5 µl/Test,orange line) or ABflo® 594 Rabbit IgG isotype control (A23821,5 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® 594 Rabbit IgG isotype control (A23821,5 µl/Test,left) or ABflo® 594 Rabbit anti-puromycin mAb(A24258,5 µl/Test,right).

