

ABflo® 594 Rabbit anti-puromycin mAb

Catalog No.: A24258

Basic Information

Observed MW**Calculated MW****Category**

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Species independent

CloneNo number

ARC58626-ABflo594

Conjugate

ABflo® 594. Ex:588nm. Em:604nm.

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 anti-infective 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 μ l per 10^6 cells in
 100 μ l volume

Immunogen Information

Gene ID

CAS:58-58-2

Swiss Prot**Immunogen**

Chemical compounds corresponding to puromycin

Synonyms

Puromycin

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

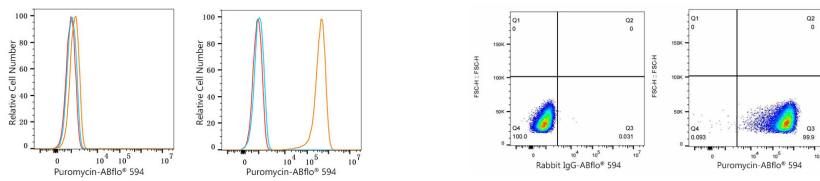
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300, 0.2% BSA, pH 7.3.

Validation Data



Flow cytometry: 1×10^6 293T cells (negative control, left) and 293T (treated with puromycin, right) cells were intracellularly-stained with ABflo® 594 Rabbit anti-puromycin mAb (A24258, 5 μ l/Test, orange line) or ABflo® 594 Rabbit IgG isotype control (A23821, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 293T cells (treated with puromycin) were intracellularly-stained with ABflo® 594 Rabbit IgG isotype control (A23821, 5 μ l/Test, left) or ABflo® 594 Rabbit anti-puromycin mAb (A24258, 5 μ l/Test, right).