

ABflo® 488 Rabbit anti-Human BTN3A1/2/3 mAb

Catalog No.: A24821

Basic Information

Observed MW

Calculated MW

58kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC63604-ABflo488

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Background

The butyrophilin (BTN) genes are a group of major histocompatibility complex (MHC)-associated genes that encode type I membrane proteins with 2 extracellular immunoglobulin (Ig) domains and an intracellular B30.2 (PRYSPRY) domain. Three subfamilies of human BTN genes are located in the MHC class I region: the single-copy BTN1A1 gene (MIM 601610) and the BTN2 (e.g., BTN2A1; MIM 613590) and BTN3 (e.g., BNT3A1) genes, which have undergone tandem duplication, resulting in 3 copies of each (summary by Smith et al., 2010 [PubMed 20208008]).

Immunogen Information

Gene ID

11119/11118/10384

Swiss Prot

O00481/P78410/O00478

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 470-630 of human BTN3A1(NP_008979.3).

Synonyms

BTF5; BT3.1; CD277; BTN3.1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

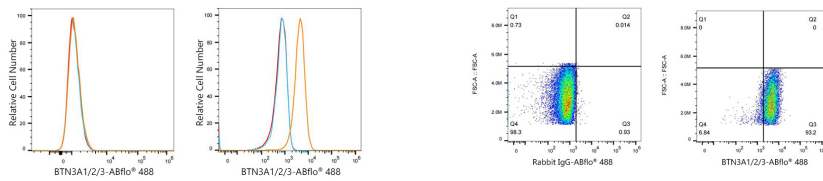
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1×10^6 MCF7 cells (Low Expression, left) and U266 cells (right) were surface-stained with ABflo® 488 Rabbit anti-Human BTN3A1/2/3 mAb (A24821, 5 μ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 U266 cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, left) or ABflo® 488 Rabbit anti-Human BTN3A1/2/3 mAb (A24821, 5 μ l/Test, right).