

BTN3A1/2/3 Rabbit mAb

Catalog No.: A24074 **Recombinant**

Basic Information

Observed MW

Calculated MW

58kDa

Category

Primary antibody

Applications

ELISA,FC

Cross-Reactivity

Human

CloneNo number

ARC63604

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]).

Recommended Dilutions

FC 1:500 - 1:1000

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; BTN3A1/2/3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

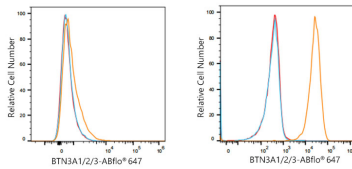
Affinity purification

Storage

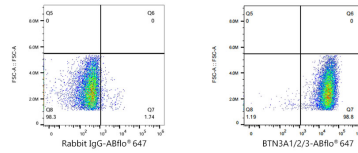
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Flow cytometry: 1×10^6 MCF7 cells (negative control, left) and U266 cells (right) were surface-stained with BTN3A1/2/3 Rabbit mAb (A24074, 2 µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 U266 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, left) or BTN3A1/2/3 Rabbit mAb (A24074, 2 µg/mL, right).