Genomeditech (Shanghai) Co.,Ltd. Order: 021-68455258/50432826/50432825

Toll-free: 400 627 9288

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Anti-BTN3A1 hlgG1 Antibody (mAb1)

Product information

GM-52838AB-10 10 μg GM-52838AB-100 100 μg GM-52838AB-1000 1 mg

Antibody Information

Species Reactivity Human
Clone mAb1

Source/Isotype Monoclonal Human IgG1 /κ

Application Flow Cytometry
Specificity Detects BTN3A1

Gene BTN3A1

Other Names BTF5; BT3.1; CD277; BTN3.1

Gene ID 11119

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 and the BTN2 (BTN2A1) and BTN3 (BNT3A1) genes, which have undergone

tandem duplication, resulting in 3 copies of each.

Storage Storage Store at 2-8°C short term (1-2 weeks). Store at ≤ -20°C long term.Avoid

repeated freeze-thaw.

Formulation Phosphate-buffered solution, pH 7.2.

Endotoxin < 1 EU/mg, determined by LAL gel clotting assay

Version:3.1 Revision Date:12/29/2023



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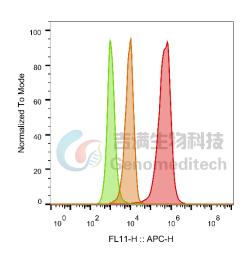
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Data Examples

Flow cytometry

H_BTN3A1 HEK-293 Cell Line (Catalog # GM-C19701) was stained with Anti-BTN3A1 hIgG1 Antibody (mAb1) (Catalog # GM-52838AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
HEK-293 anti-BTN3A1+APC-2nd Ab	8371
HEK-293 H_BTN3A1 H_IgG+APC-2nd Ab	1093
HEK-293 H_BTN3A1 anti-BTN3A1+APC-2nd Ab	4.49E5

Fig 1. FACS

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