PRODUCT INFORMATION

Clone ID	**Warning**: Undefined variable $hasAttributeValueDescription in **C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-print-products\public\class-woocommerce-print-products-public.php** on line **2806** DM94
Target	BTN3A1
Synonyms	BTN3A1; BTF5; CD277; BTN3.1; BT3.1
Host Species	Rabbit
Description	Anti-BTN3A1 antibody(DM94); Rabbit mAb
Delivery	In Stock
Uniprot ID	O00481
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Human
Applications	ELISA; Flow Cyt; WB
Recommended Dilutions	ELISA 1:5000-10000; Flow Cyt 1:100; WB 1:1000
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Yefei_Storage	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
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.
Usage	Research use only
Conjugate	Unconjugated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.

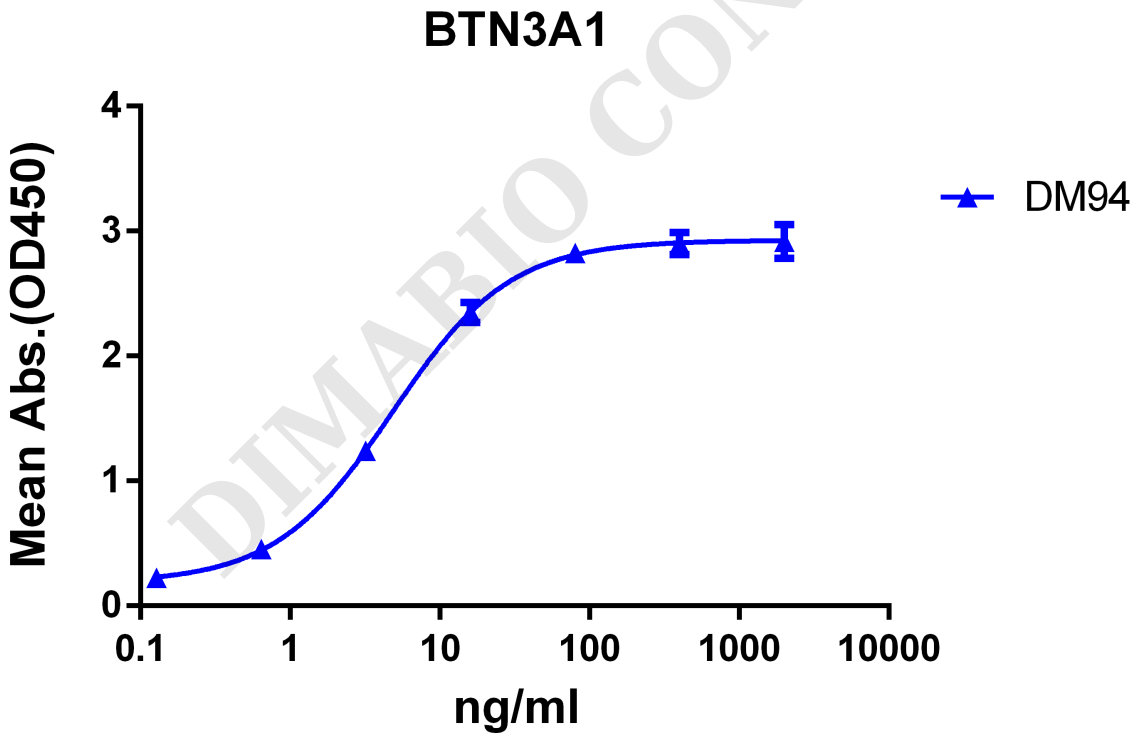

Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human BTN3A1 protein, mFc-His tagged protein PME100056 can bind Rabbit anti-BTN3A1 monoclonal antibody (clone: DM94) in a linear range of 0.64-80 ng/ml.

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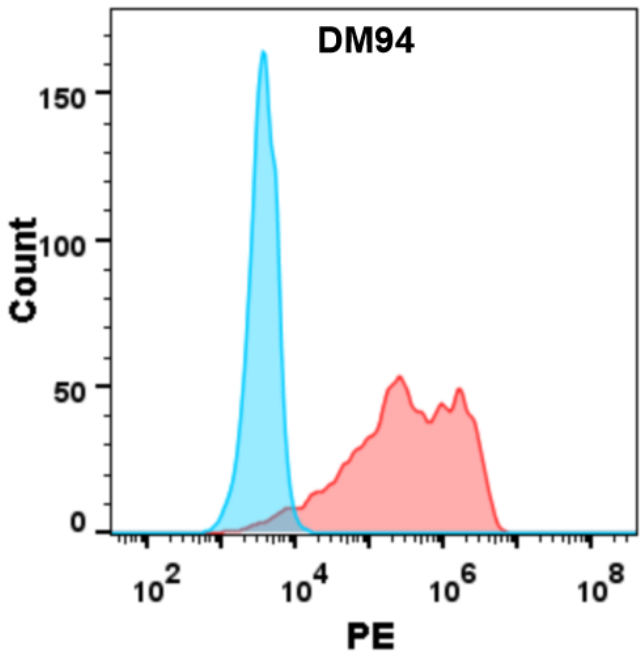

Figure 2. Flow cytometry analysis with Anti-BTN3A1 (DM94) on HEK293 cells transfected with human BTN3A1 (Red histogram) or HEK293 transfected with irrelevant protein (Blue histogram).

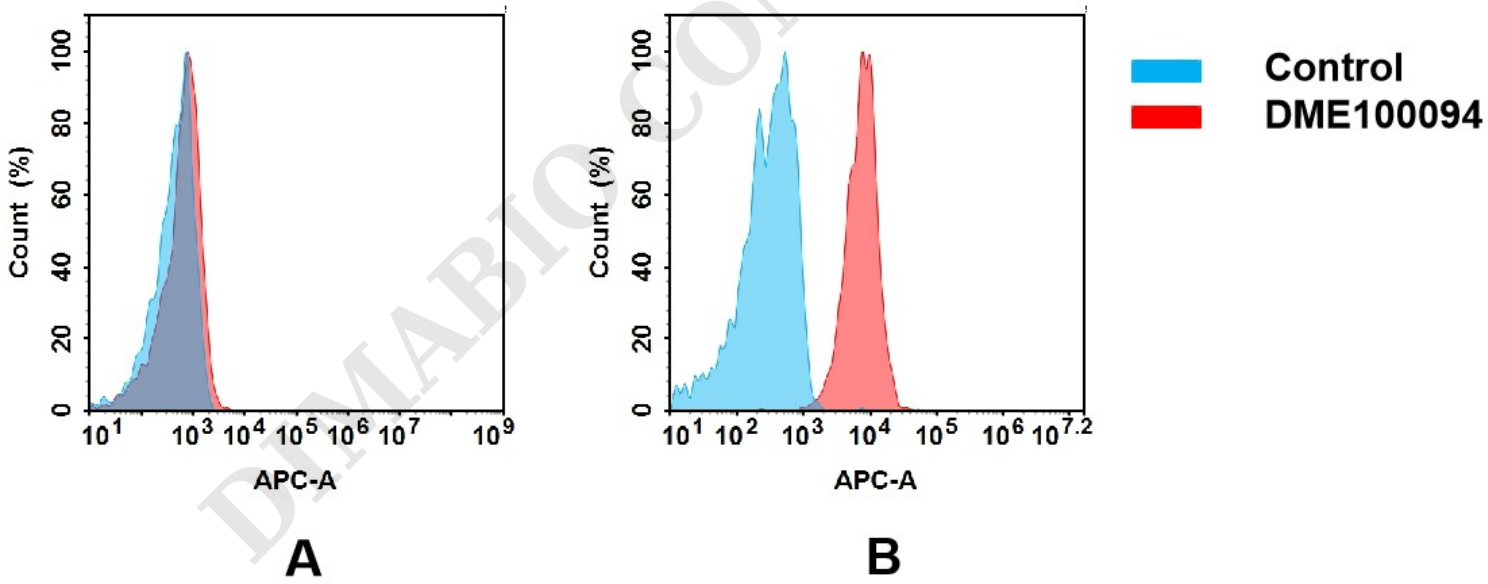

Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human BTN3A1 mAb(DME100094).

(A) DME100094 does not bind to MCF-7 cells that do not express BTN3A1.
(B) A clear peak shift of DME100094 was seen compared to the control when incubated with BTN3A1-expressing 8226 cells, indicating strong binding of DME100094 to BTN3A1. Antibodies were incubated at 2 μg/mL.

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Anti-BTN3A1 antibody(DM94); Rabbit mAb

Cat. No. DME100094

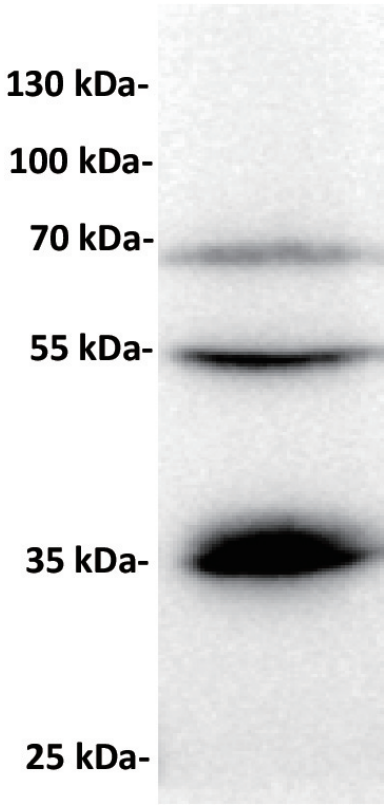

Figure 4.Anti-BTN3A1 antibody (SKU# DME100094) at 1/1000 dilution

Lane : RPMI8226, whole cell lysate

Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution

Predicted band size: 33 kDa
Observed band size: 35□54□68 kDa

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