PRODUCT INFORMATION

Clone ID	DM159
Target	NTB-A
Synonyms	NTB-A;SLAMF6;Ly108;NK-T-B-antigen;CD352;KALI
Host Species	Rabbit
Description	Anti-NTB-A antibody(DM159); Rabbit mAb
Delivery	In Stock
Uniprot ID	Q96DU3
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Human
Applications	ELISA; Flow Cyt; WB; IHC
Recommended Dilutions	ELISA 1:5000-10000; Flow Cyt 1:100; WB 1:1000; IHC 1:100
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.
Storage&Shipping	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 protein encoded by this gene is a type I transmembrane protein; belonging to the CD2 subfamily of the immunoglobulin superfamily. This encoded protein is expressed on Natural killer (NK); T; and B lymphocytes. It undergoes tyrosine phosphorylation and associates with the Src homology 2 domain-containing protein (SH2D1A) as well as with SH2 domain-containing phosphatases (SHPs). It functions as a coreceptor in the process of NK cell activation. It can also mediate inhibitory signals in NK cells from X-linked lymphoproliferative patients. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
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.

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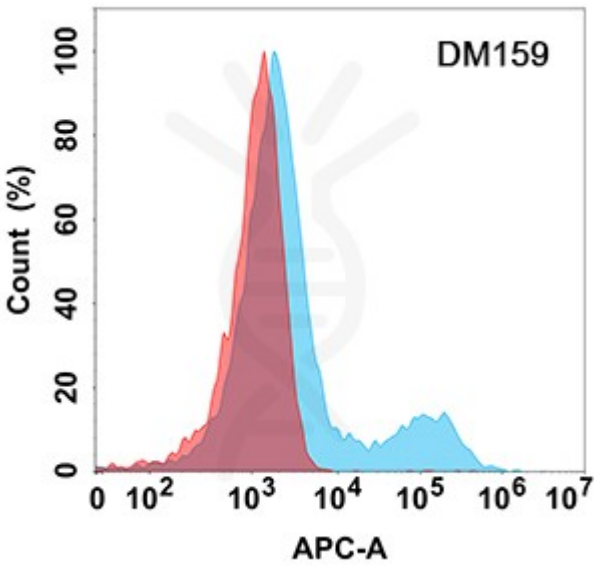

Figure 1. Flow cytometry analysis with Anti-NTB-A (DM159) on HEK293 cells transfected with human NTB-A (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

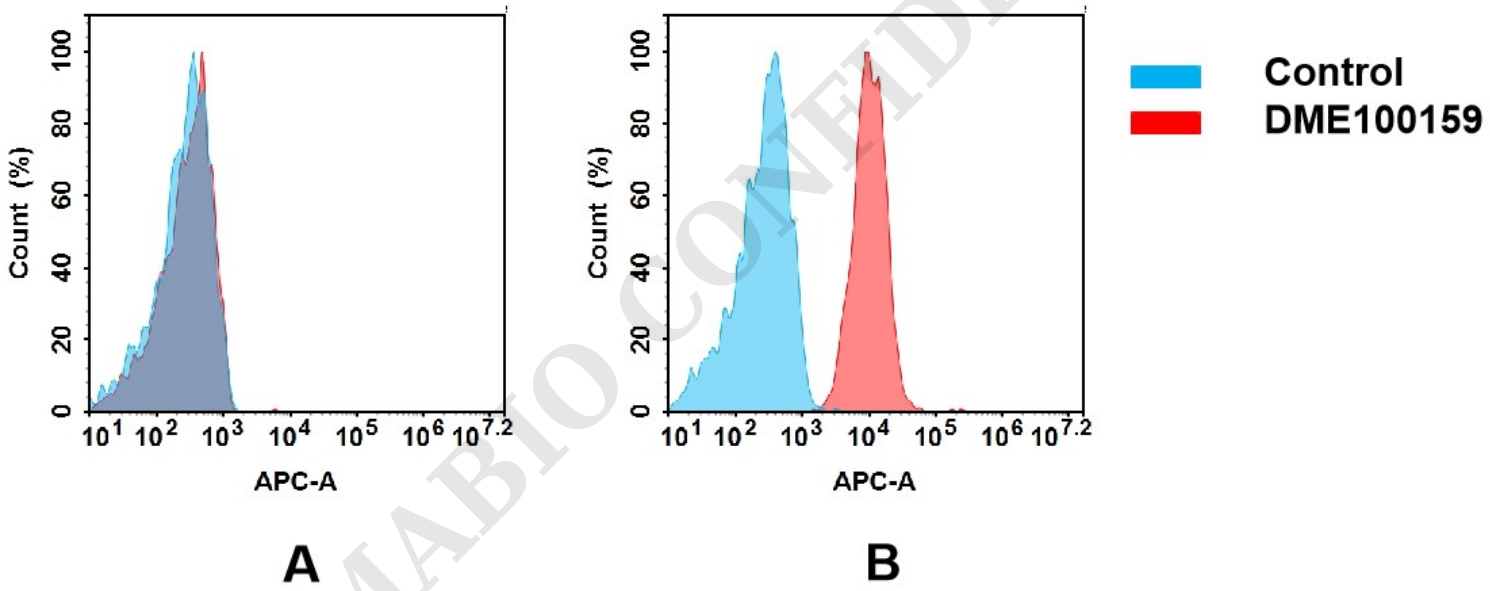

Figure 2. Flow cytometry analysis of antigen binding of rabbit anti-human NTB-A mAb(DME100159).
(A) DME100159 does not bind to 293T cells that do not express NTB-A.
(B) A clear peak shift of DME100159 was seen compared to the control when incubated with NTB-A-expressing Raji cells, indicating strong binding of DME100159 to NTB-A. Antibodies were incubated at 5 μg/mL.

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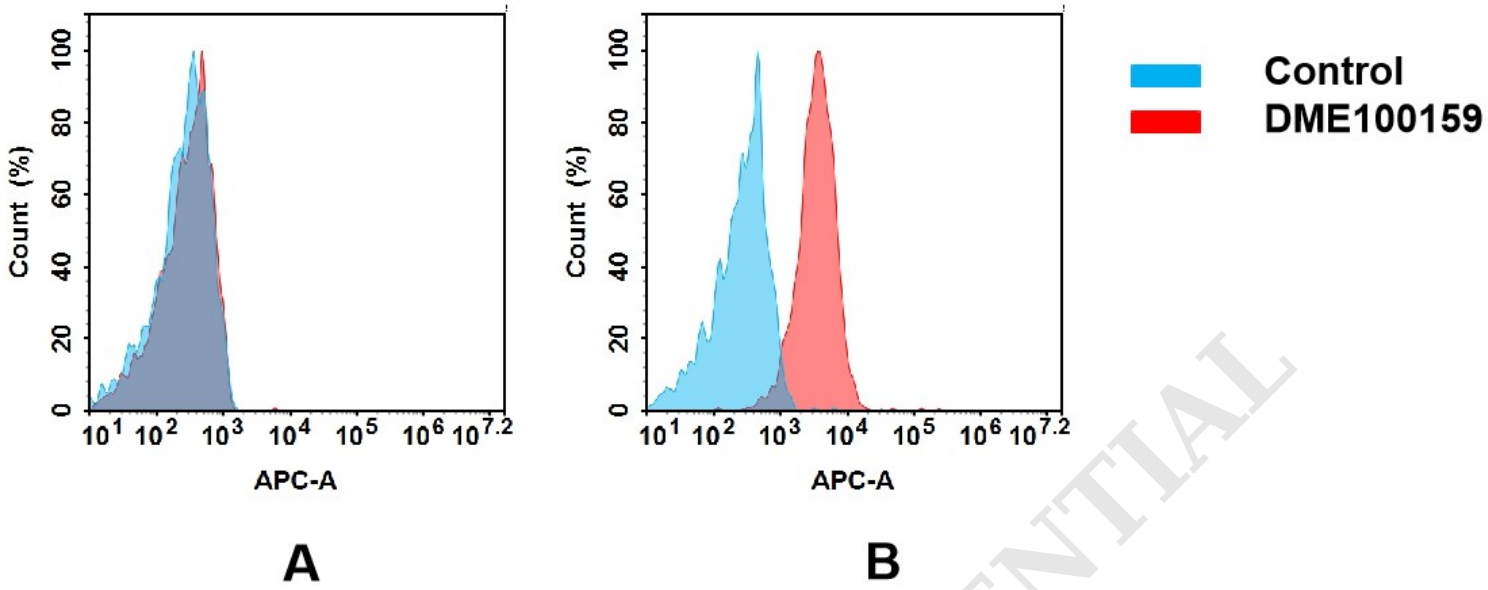

Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human NTB-A mAb(DME100159).
(A) DME100159 does not bind to 293T cells that do not express NTB-A.
(B) A clear peak shift of DME100159 was seen compared to the control when incubated with NTB-A-expressing Jurkat cells, indicating strong binding of DME100159 to NTB-A. Antibodies were incubated at 5 µg/mL.

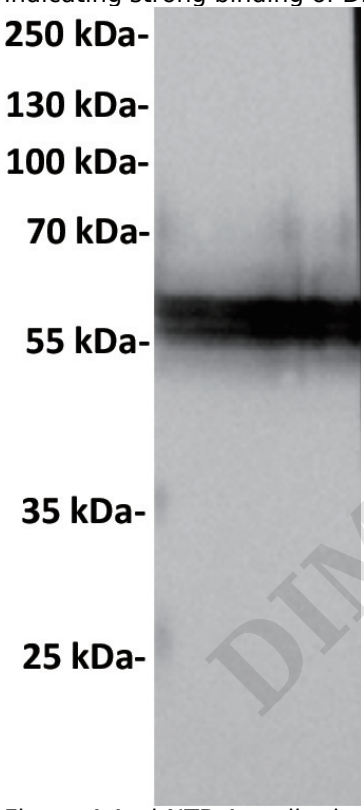

Figure 4.Anti-NTB-A antibody (SKU# DME100159) at 1/1000 dilution

Lane : RAJI(human Burkitt's lymphoma B lymphocyte), whole cell lysate

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

Predicted band size: 37 kDa
Observed band size: 60 kDa

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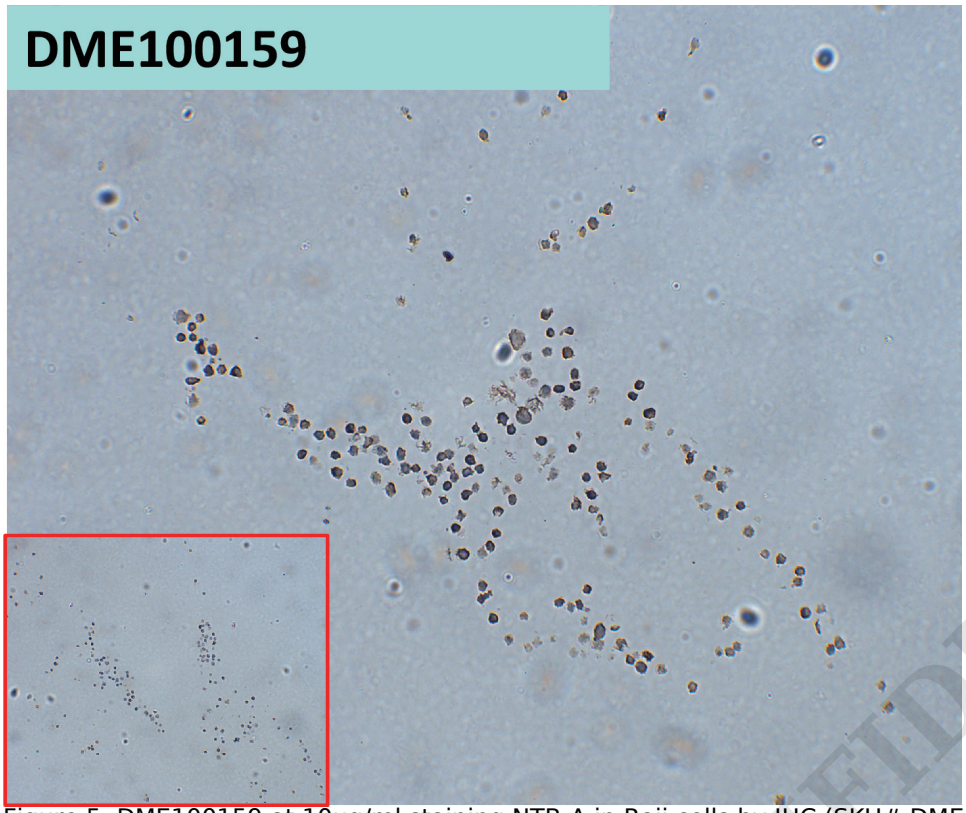

Figure 5. DME100159 at 10µg/ml staining NTB-A in Raji cells by IHC (SKU# DME100159)

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