

**PRODUCT INFORMATION**

<b>Clone ID</b>	DM159
<b>Target</b>	NTB-A
<b>Synonyms</b>	NTB-A;SLAMF6;Ly108;NK-T-B-antigen;CD352;KALI
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-NTB-A antibody(DM159); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q96DU3
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA; Flow Cyt; WB; IHC
<b>Recommended Dilutions</b>	ELISA 1:5000-10000; Flow Cyt 1:100; WB 1:1000; IHC 1:100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Background</b>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated
<b>DIMA Disclaimer</b>	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.



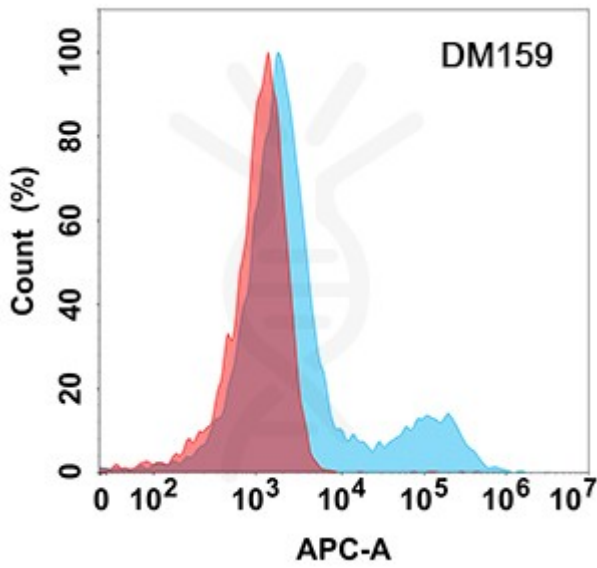


Figure 1. Flow cytometry analysis with Anti-NTB-A (DM159) on HEK293 cells transfected with human NTB-A (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

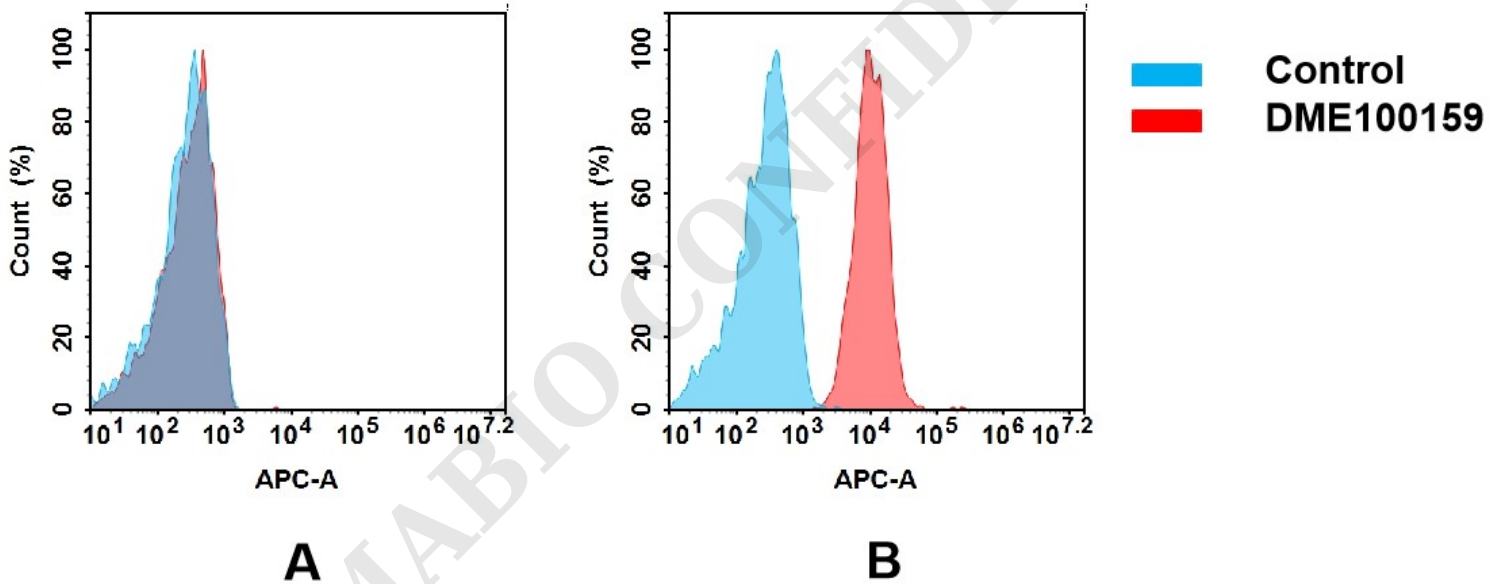


Figure 2. Flow cytometry analysis of antigen binding of rabbit anti-human NTB-A mAb(DME100159).

(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  $\mu$ g/mL.



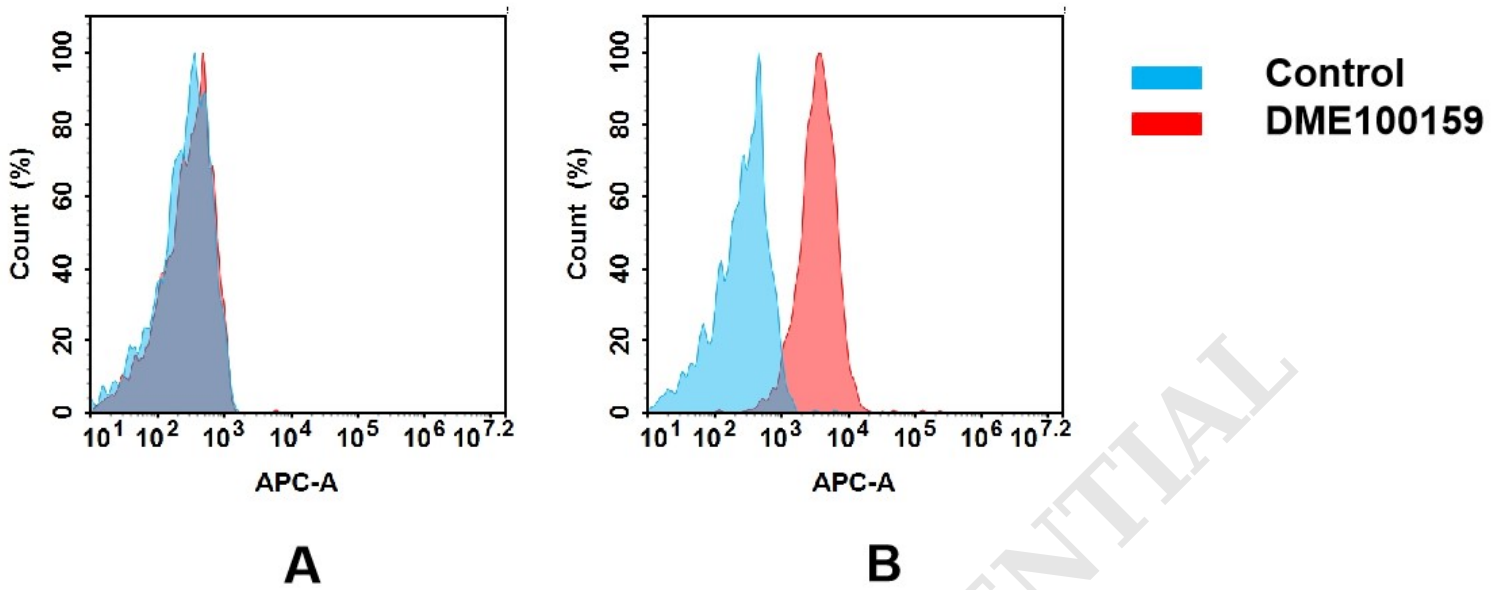


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human NTB-A mAb(DME100159).  
 (A) DME100159 does not bind to 293T cells that do not express NTB-A.  
 (B) A clear peak shift of DME100159 was seen compared to the control when incubated with NTB-A-expressing Jurkat cells, indicating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

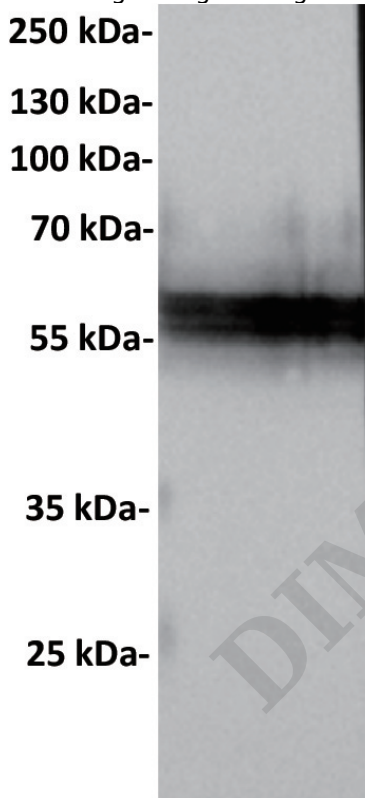


Figure 4. Anti-NTB-A antibody (SKU# DME100159) at 1/1000 dilution  
 Lane : RAJI(human Burkitt's lymphoma B lymphocyte), whole cell lysate  
 Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution  
 Predicted band size: 37 kDa  
 Observed band size: 60 kDa



## DME100159

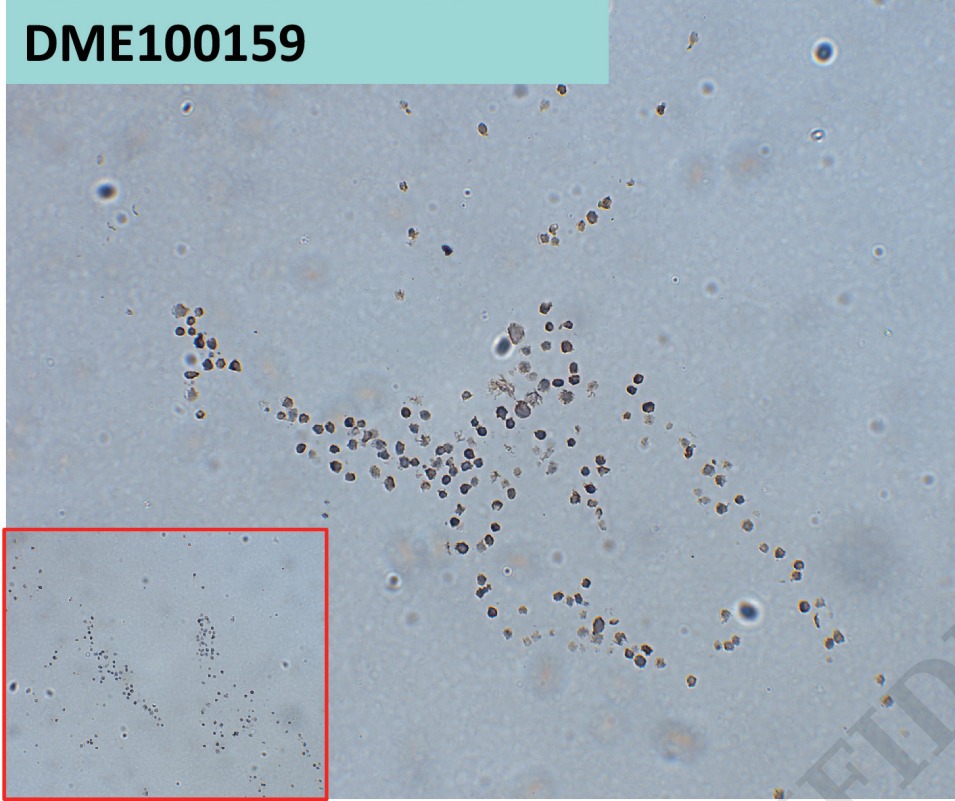


Figure 5. DME100159 at 10 $\mu$ g/ml staining NTB-A in Raji cells by IHC (SKU# DME100159)

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