

## PRODUCT INFORMATION

<b>Clone ID</b>	DM176
<b>Target</b>	CD10
<b>Synonyms</b>	MME;CALLA;CD10;DKFZp686O16152;MGC126681;MGC126707;NEP;SFE;Nepriylsin
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-CD10 antibody(DM176); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P08473
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA; Flow Cyt
<b>Recommended Dilutions</b>	ELISA 1:5000-10000; Flow Cyt 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 II transmembrane glycoprotein and a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). The encoded protein is present on leukemic cells of pre-B phenotype; which represent 85% of cases of ALL. This protein is not restricted to leukemic cells; however, and is found on a variety of normal tissues. The protein is a neutral endopeptidase that cleaves peptides at the amino side of hydrophobic residues and inactivates several peptide hormones including glucagon; enkephalins; substance P; neurotensin; oxytocin; and bradykinin.
<b>Usage</b>	Research use only

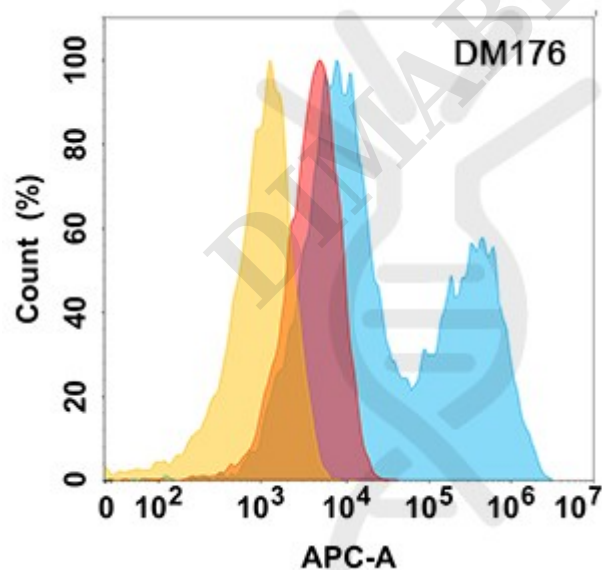


Figure 1. CD10 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-CD10 (DM176) on Expi293 cells transfected with human CD10 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).



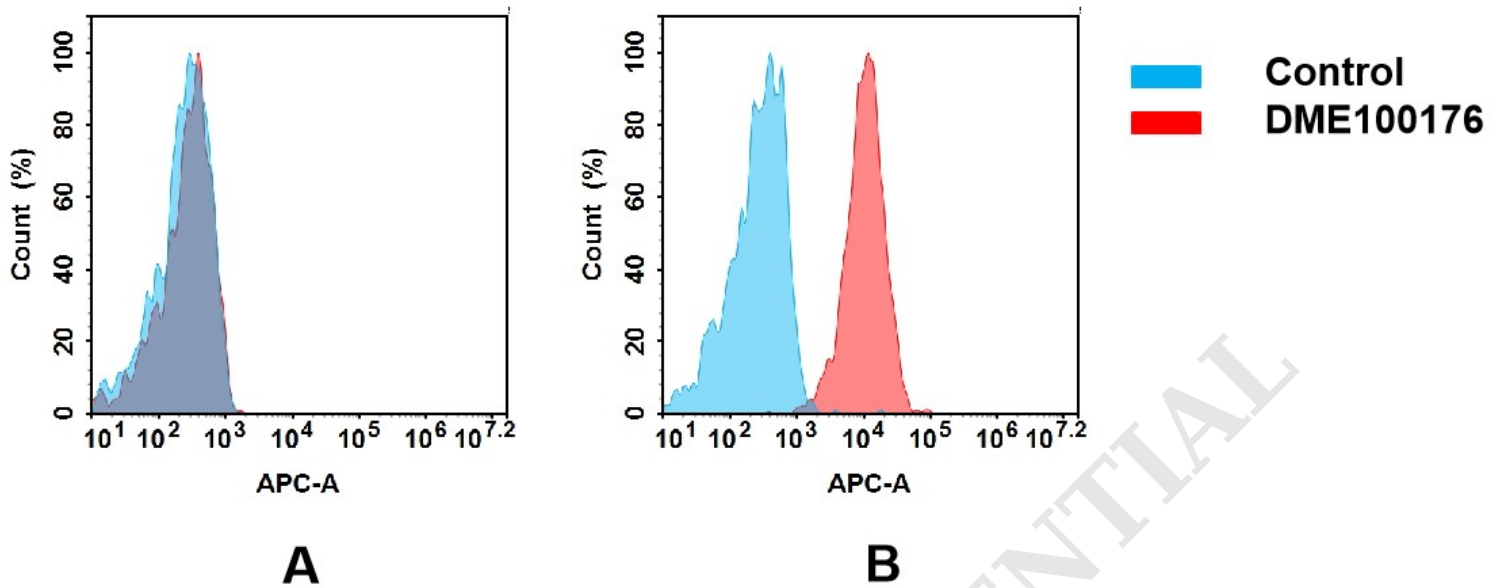


Figure 2. Flow cytometry analysis of antigen binding of rabbit anti-human CD10 mAb(DME100176).

(A) DME100176 does not bind to 293T cells that do not express CD10.

(B) A clear peak shift of DME100176 was seen compared to the control when incubated with CD10-expressing Raji cells, indicating strong binding of DME100176 to CD10. Antibodies were incubated at 5  $\mu$ g/mL.

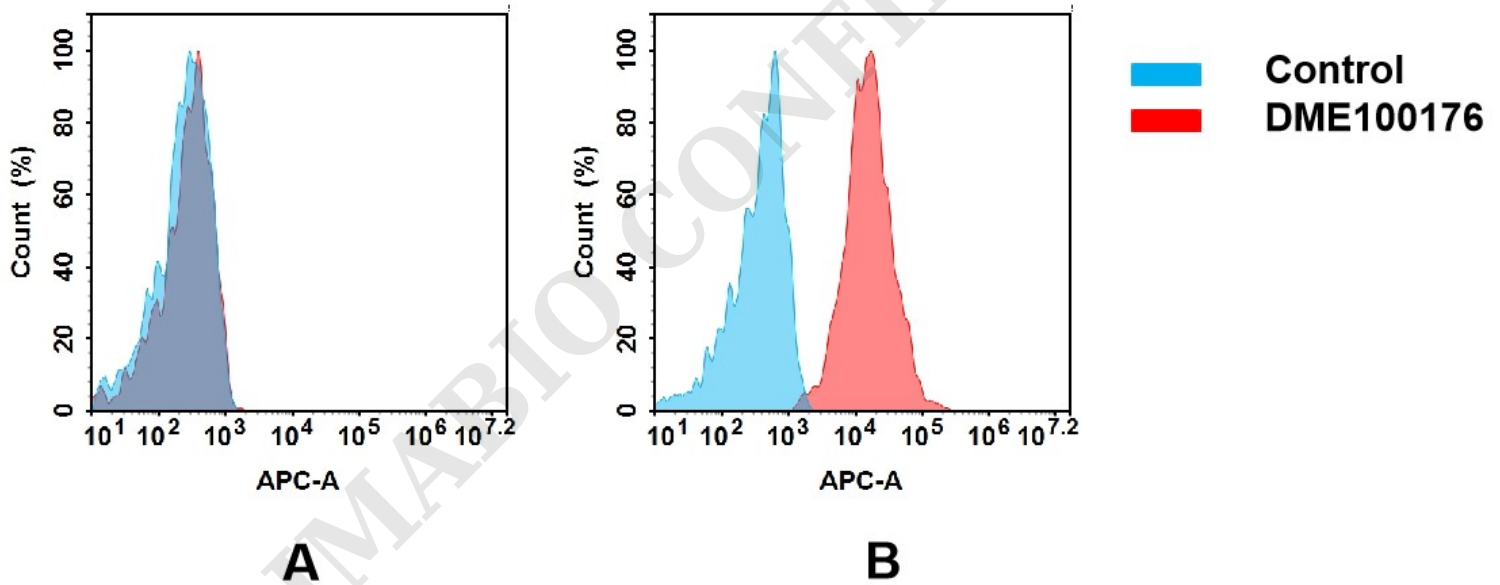


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human CD10 mAb(DME100176).

(A) DME100176 does not bind to HT55 cells that do not express CD10.

(B) A clear peak shift of DME100176 was seen compared to the control when incubated with CD10-expressing HT55 cells, indicating strong binding of DME100176 to CD10. Antibodies were incubated at 5  $\mu$ g/mL.

