

PRODUCT INFORMATION

Clone ID	DM125
Target	IL17RA
Synonyms	CD217;CDw217;IL-17RA;IL17R;CANDF5;hIL-17R
Host Species	Rabbit
Description	Anti-IL17RA antibody(DM125); Rabbit mAb
Delivery	In Stock
Uniprot ID	Q96F46
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Human
Applications	Flow Cyt
Recommended Dilutions	Flow Cyt 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	Interleukin 17A (IL-17A) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. The transmembrane protein encoded by this gene (interleukin 17A receptor; IL17RA) is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. Like other cytokine receptors; this receptor likely has a multimeric structure. Alternative splicing results in multiple transcript variants encoding different isoforms.
Usage	Research use only
Conjugate	Unconjugated



Figure 1. Flow cytometry analysis with Anti-IL-17RA (DM125) on Expi293 cells transfected with human IL17RA (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



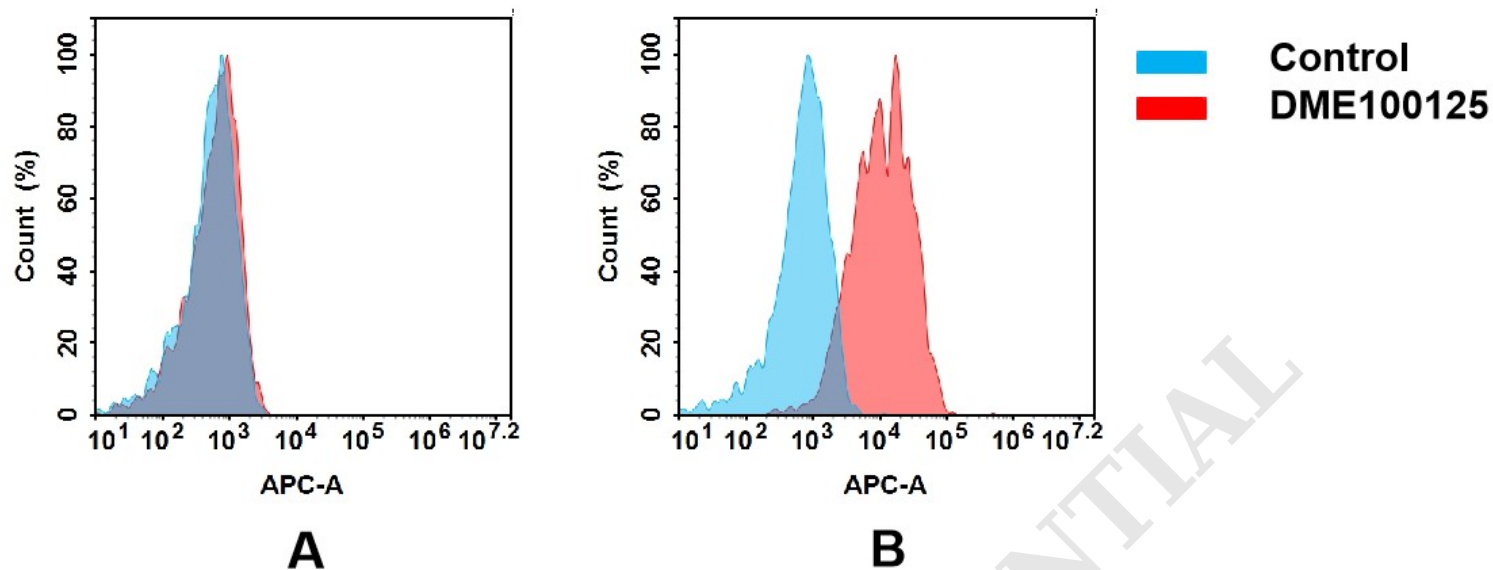


Figure 2. Flow cytometry analysis of antigen binding of rabbit anti-human IL17RA mAb(DME100125).

(A) DME100125 does not bind to CHO-S cells that do not express IL17RA.

(B) A clear peak shift of DME100125 was seen compared to the control when incubated with IL17RA-expressing THP-1 cells, indicating strong binding of DME100125 to IL17RA. Antibodies were incubated at 5 $\mu\text{g}/\text{mL}$.

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