

**PRODUCT INFORMATION**

<b>Clone ID</b>	DMC424
<b>Target</b>	EREG
<b>Synonyms</b>	Ep; EPR; ER
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-EREG antibody(DMC424); IgG1 Chimeric mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	O14944
<b>IgG type</b>	Rabbit/Human Fc chimeric IgG1
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	Flow Cyt
<b>Recommended Dilutions</b>	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>	This gene encodes a secreted peptide hormone and member of the epidermal growth factor (EGF) family of proteins. The encoded protein is a ligand of the epidermal growth factor receptor (EGFR) and the structurally related erb-b2 receptor tyrosine kinase 4 (ERBB4). The encoded protein may be involved in a wide range of biological processes including inflammation; wound healing; oocyte maturation; and cell proliferation. Additionally; the encoded protein may promote the progression of cancers of various human tissues.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



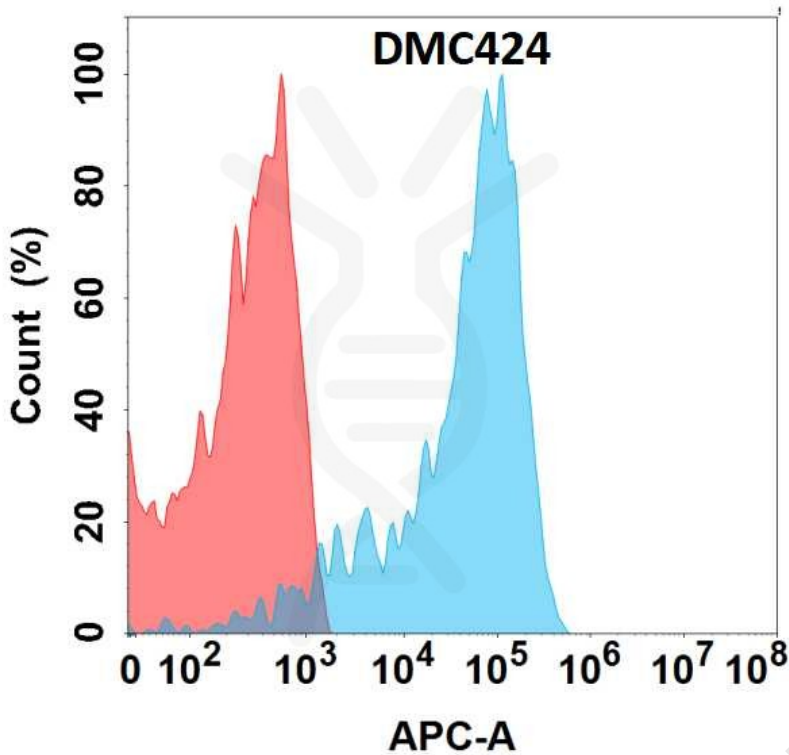


Figure 1. Flow cytometry analysis with Anti-EREG (DMC424) on Expi293 cells transfected with human EREG (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

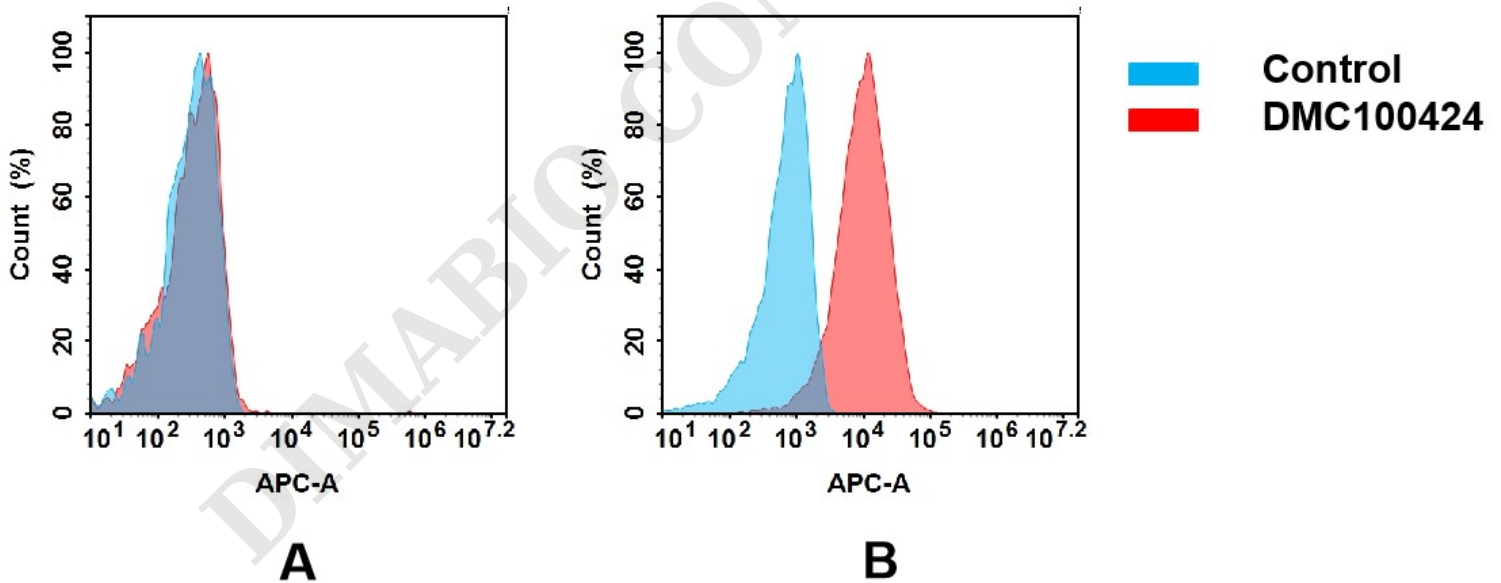


Figure 2. Flow cytometry analysis of antigen binding of anti-human EREG mAb(DMC100424).

(A) DMC100424 does not bind to Jurkat cells that do not express EREG.

(B) A clear peak shift of DMC100424 was seen compared to the control when incubated with EREG-expressing SiHa cells, indicating strong binding of DMC100424 to EREG. Antibodies were incubated at 5  $\mu$ g/mL.

