

PRODUCT INFORMATION

Clone ID	DMC424
Target	EGF
Synonyms	Ep; EPR; ER
Host Species	Rabbit
Description	Anti-EGF antibody(DMC424); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	O14944
IgG type	Rabbit/Human Fc chimeric IgG1
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	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.
Usage	Research use only



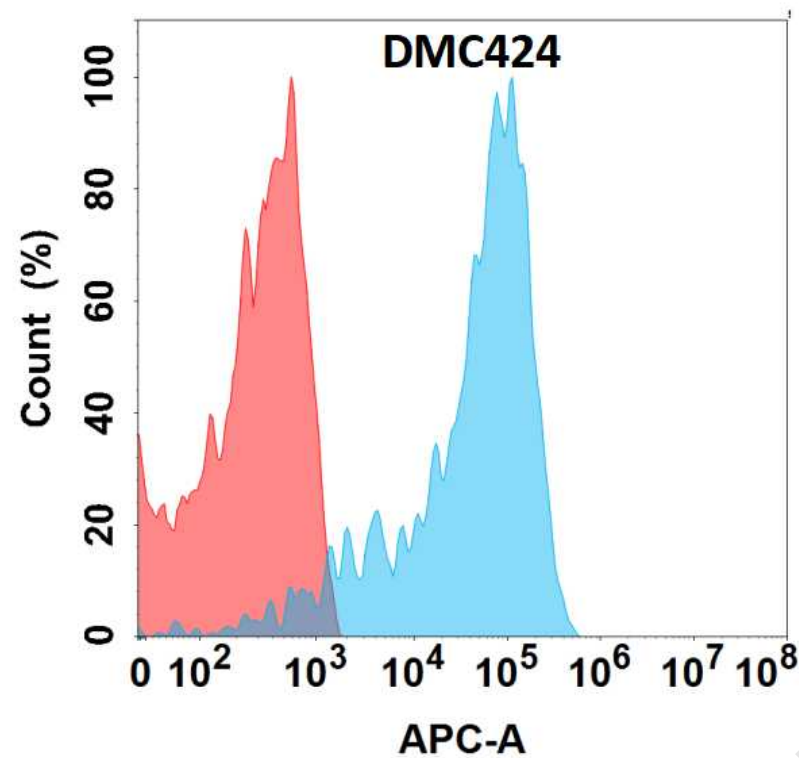


Figure 1. Flow cytometry analysis with Anti-EREG (DMC424) on Expi293 cells transfected with human EREG (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

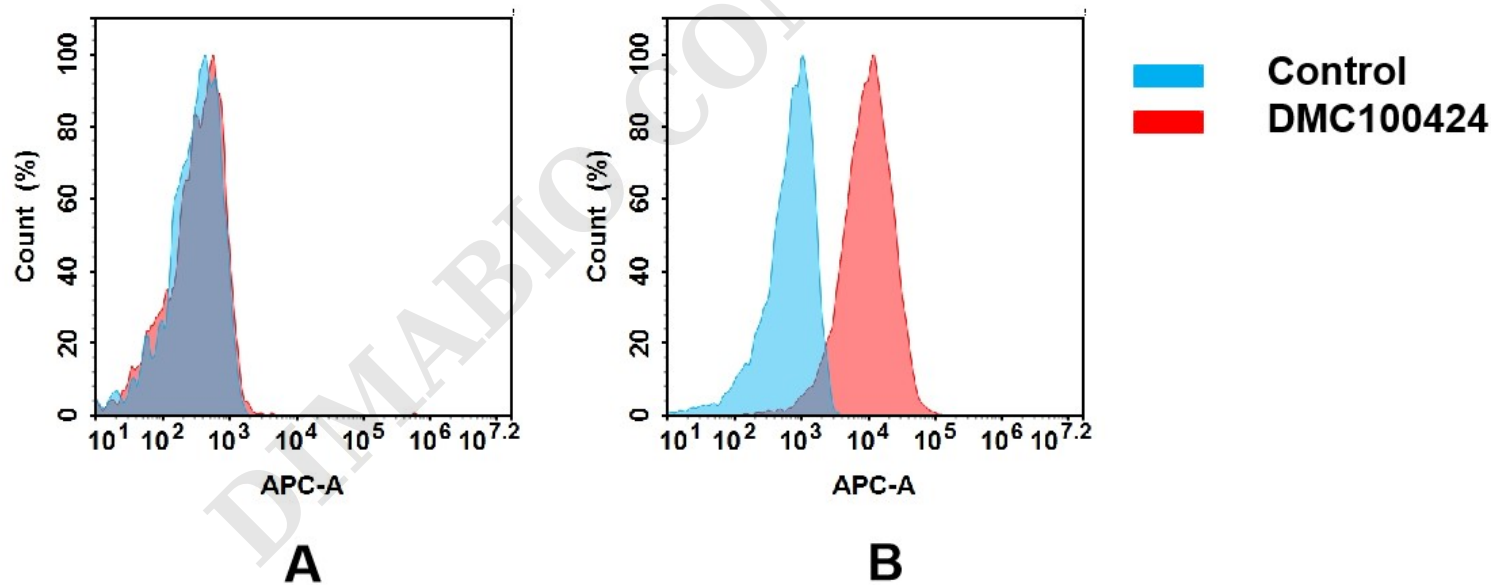


Figure 2. Flow cytometry analysis of antigen binding of anti-human EREG mAb(DMC100424).

(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 µg/mL.

