PRODUCT INFORMATION

Clone ID	DMC424
Target	EREG
Synonyms	Ep; EPR; ER
Host Species	Rabbit
Description	Anti-EREG 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
Conjugate	Unconjugated
DIMA Disclaimer	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.

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

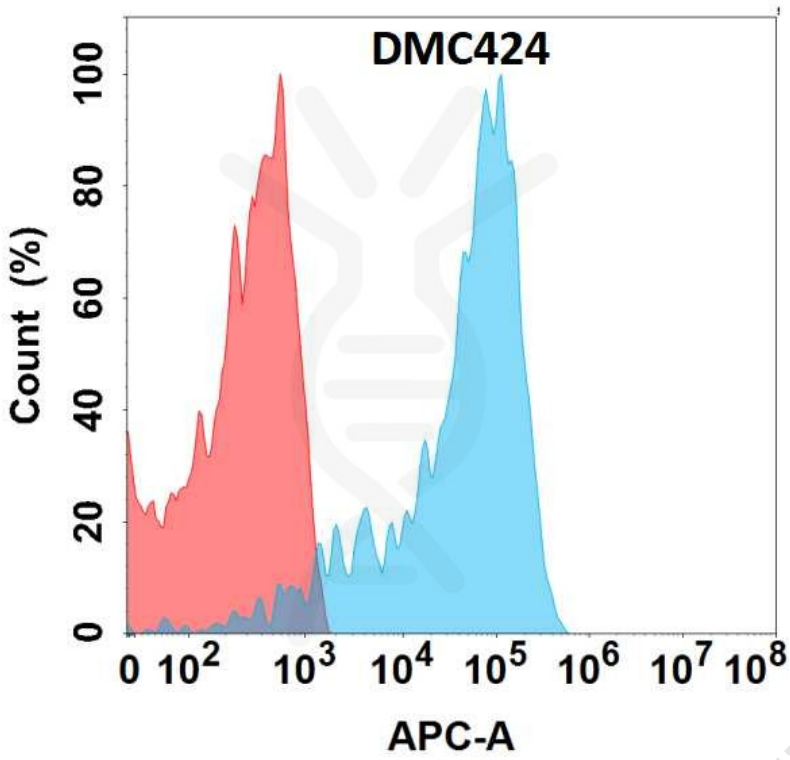

Figure 1. Flow cytometry analysis with Anti-EREG (DMC424) on HEK293 cells transfected with human EREG (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

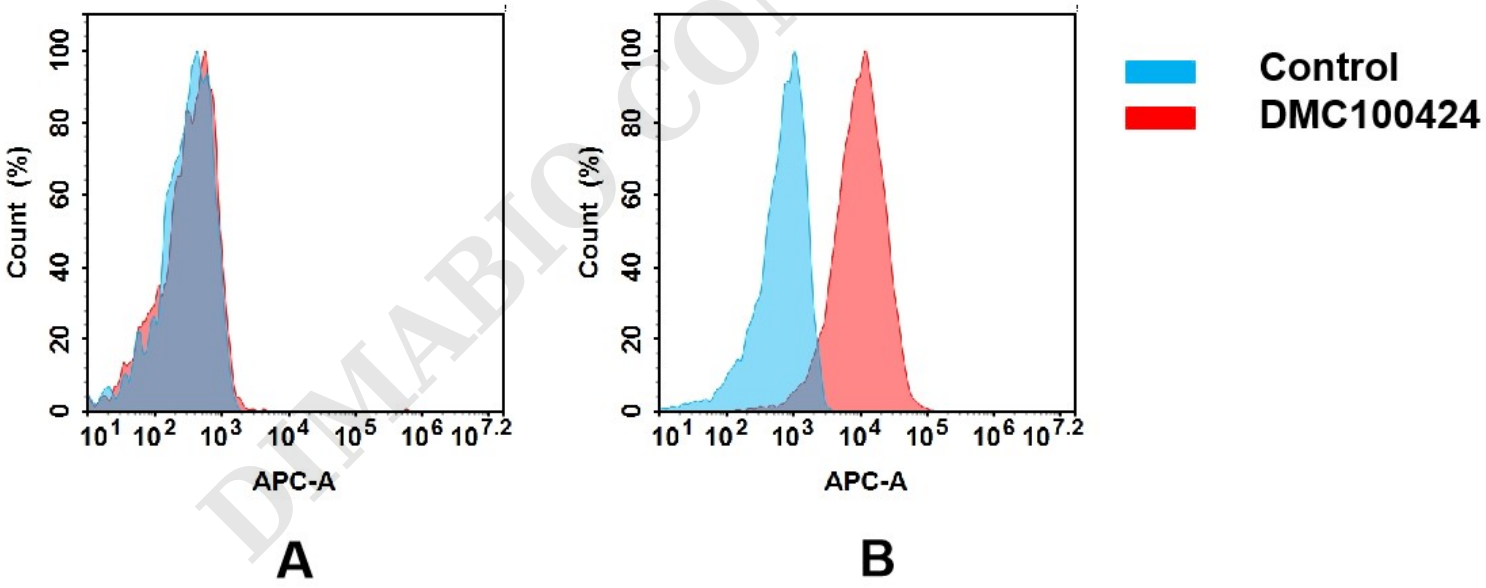

Figure 2. Flow cytometry analysis of antigen binding of anti-human EREG mAb(DMC100424).

(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.

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