

**PRODUCT INFORMATION**

<b>Clone ID</b>	DMC500
<b>Target</b>	HBEGF
<b>Synonyms</b>	DTR; DTS; DTSF; HEGFL
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-HBEGF antibody(DMC500); IgG1 Chimeric mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q99075
<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>	Growth factor that mediates its effects via EGFR; ERBB2 and ERBB4. Required for normal cardiac valve formation and normal heart function. Promotes smooth muscle cell proliferation. May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts; but not endothelial cells. It is able to bind EGF receptor:EGFR with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a diphtheria toxin receptor.[UniProtKB:Swiss-Prot Function]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated
<b>DIMA Disclaimer</b>	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.



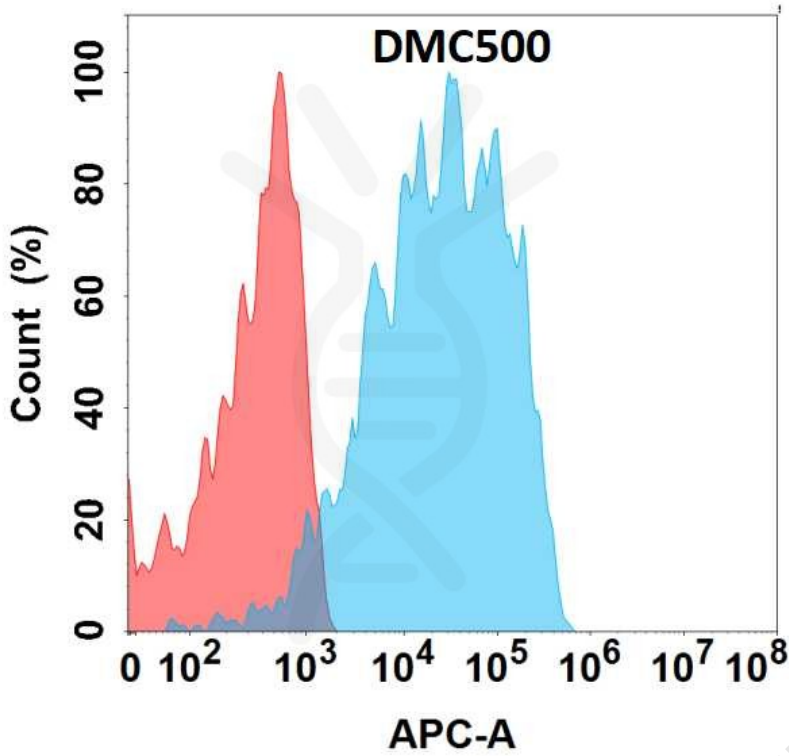


Figure 1. Flow cytometry analysis with Anti-HBEGF(DMC500) on Expi293 cells transfected with human HBEGF (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

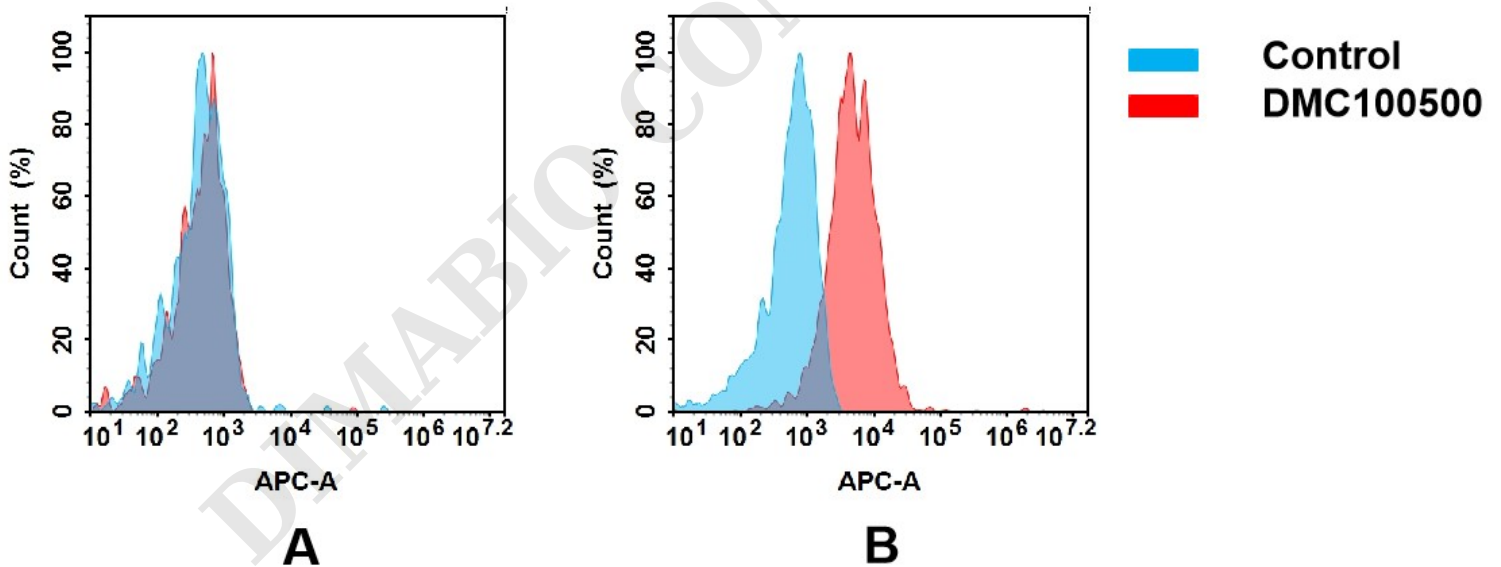


Figure 2. Flow cytometry analysis of antigen binding of anti-human HBEGF mAb(DMC100500).

(A) DMC100500 does not bind to CHO-S cells that do not express HBEGF.

(B) A clear peak shift of DMC100500 was seen compared to the control when incubated with HBEGF-expressing MDA-MB-231 cells, indicating strong binding of DMC100500 to HBEGF. Antibodies were incubated at 5  $\mu$ g/mL.

