

**PRODUCT INFORMATION**

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|---|---|
| <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 scr  |



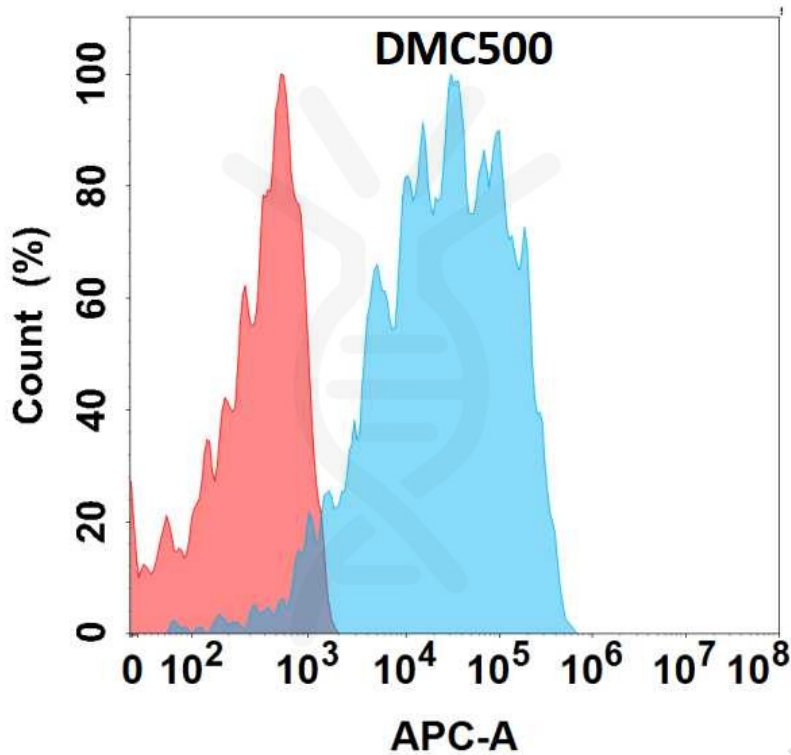


Figure 1. Flow cytometry analysis with Anti-HBEGF(DMC500) on HEK293 cells transfected with human HBEGF (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

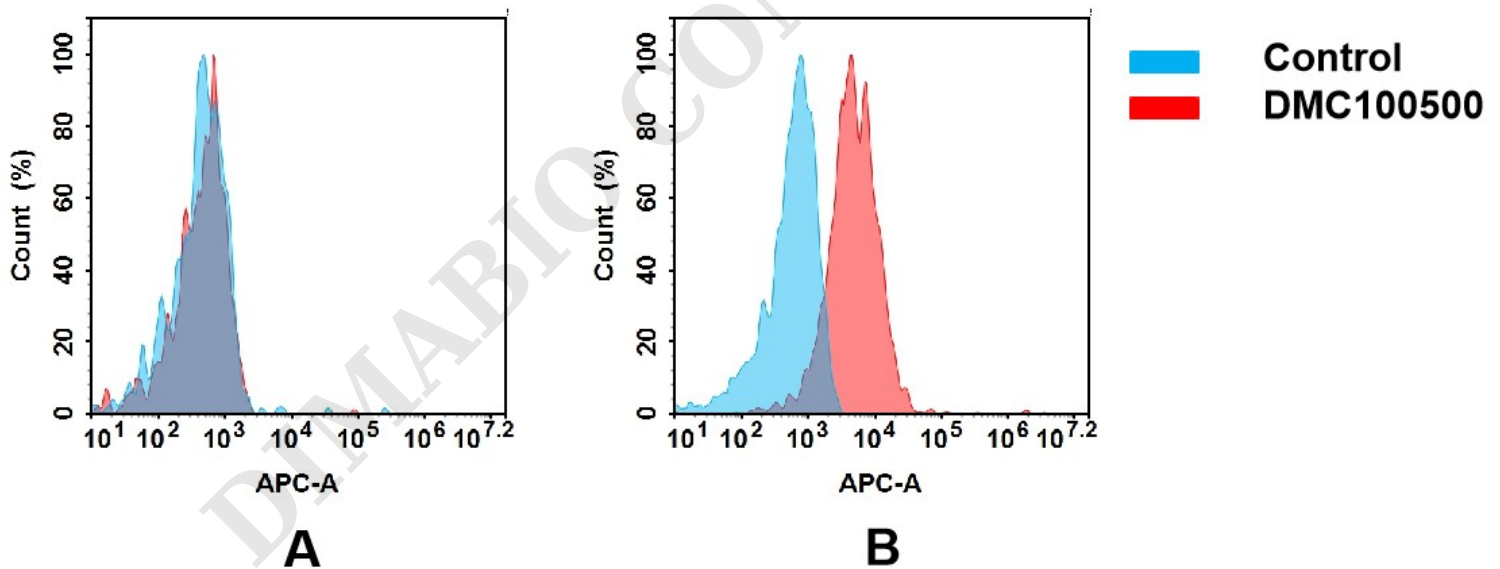


Figure 2. Flow cytometry analysis of antigen binding of anti-human HBEGF mAb(DMC100500).

(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.

