

PRODUCT INFORMATION

Common Name	Fab C225,IMC-225
Conjugate	Unconjugated
Synonyms	EGFR;ERBB;ERBB1;HER1;PIG61;mENA
Applications	ELISA; Flow Cyt
Recommended Dilutions	ELISA 1:5000-10000
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.
Host Species	Chimeric
IgG type	IgG1
Reactivity	Human
Target	EGFR
Uniprot ID	P00533
Description	Anti-EGFR (Cetuximab biosimilar) mAb
Delivery	In Stock
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	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
Usage	Research use only
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.



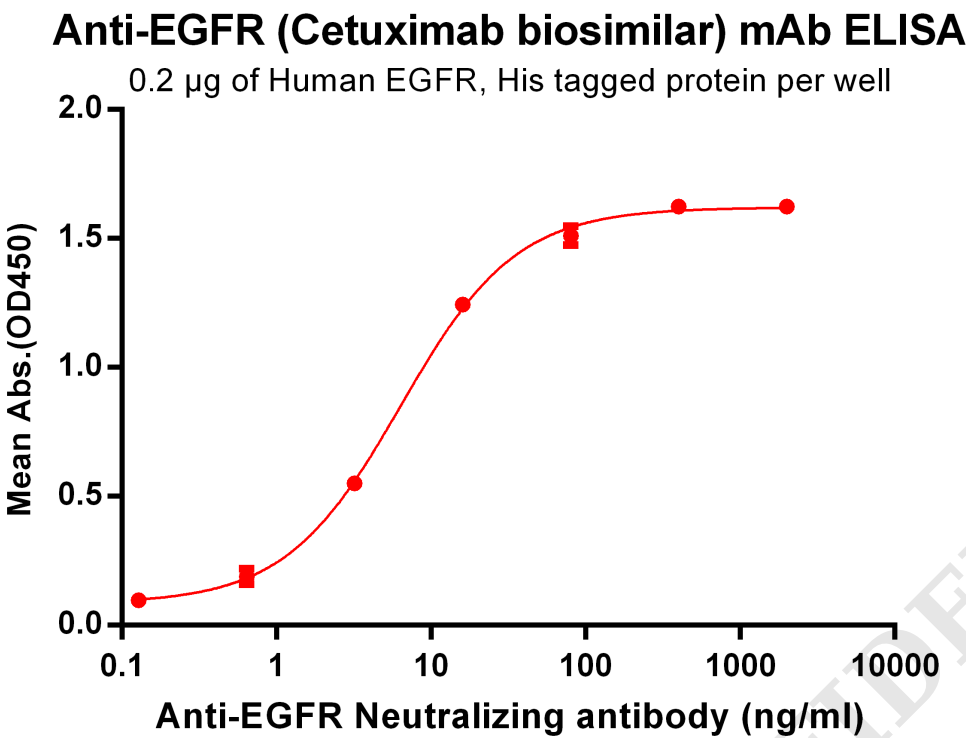


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human EGFR, His tagged protein PME100099 can bind Anti-EGFR Neutralizing antibody in a linear range of 0.64-80 ng/ml.

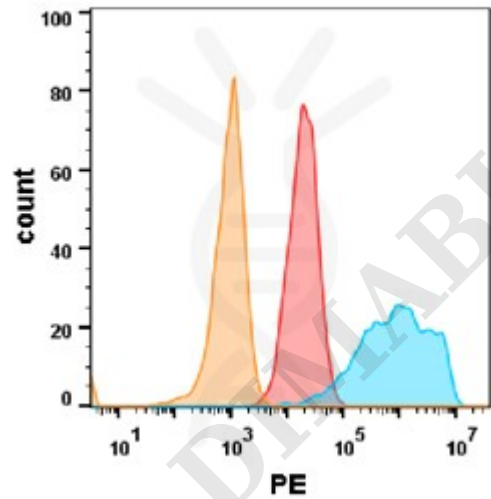


Figure 2. EGFR protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-EGFR (Cetuximab) on Expi293 cells transfected with human EGFR(Blue histogram) or Expi293 transfected with irrelevant protein(Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein(Orange histogram)



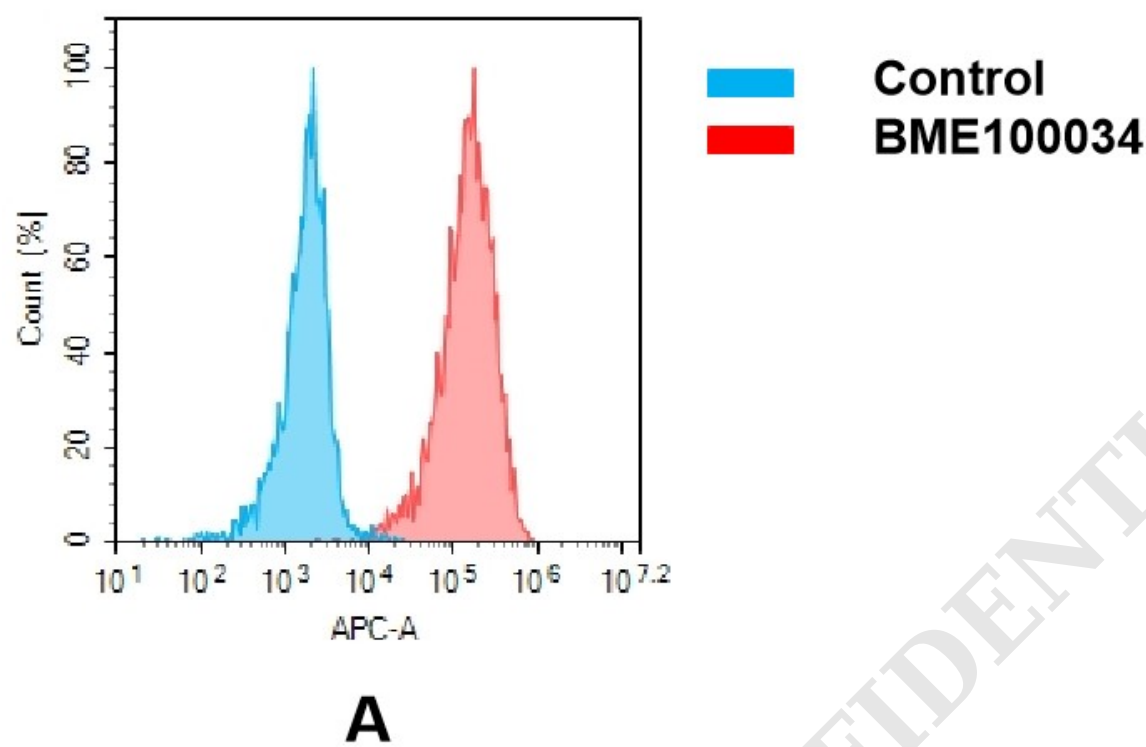


Figure 3. Flow cytometry analysis of antigen binding of anti-human EGFR mAb(BME100034).  
(A) A clear peak shift of BME100034 was seen compared to the control when incubated with EGFR-expressing Hela cells, indicating strong binding of BME100034 to EGFR. Antibodies were incubated at 2  $\mu$ g/mL.

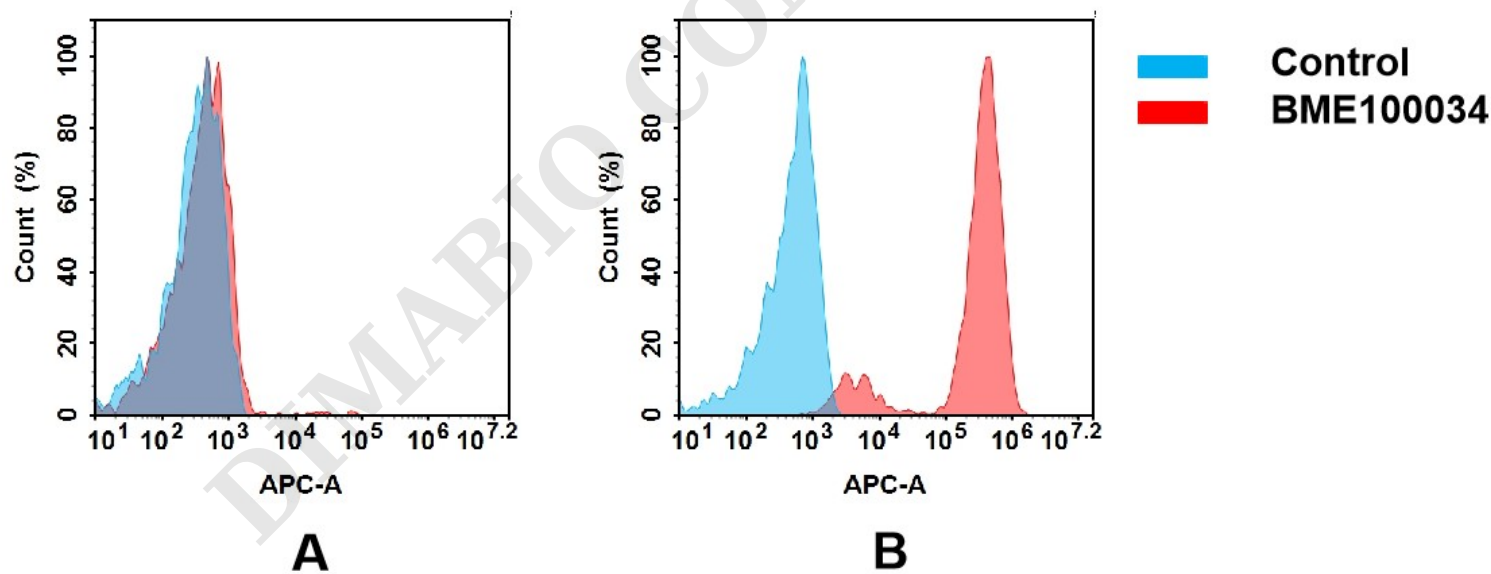


Figure 4. Flow cytometry analysis of antigen binding of anti-human EGFR mAb(BME100034).  
(A) BME100034 does not bind to Jurkat cells that do not express EGFR.  
(B) A clear peak shift of BME100034 was seen compared to the control when incubated with EGFR-expressing A431 cells, indicating strong binding of BME100034 to EGFR. Antibodies were incubated at 5  $\mu$ g/mL.

