PRODUCT INFORMATION

Common Name	Fab C225,IMC-225
Conjugate	Unconjugated
Synonyms	EGFR;ERBB;ERBB1;HER1;PIG61;mENA
Applications	ELISA; Flow Cyt
Endotoxin	Less than 1.0 EU/μg by the LAL method. For <1 EU/mg requirements, please contact us for customization.
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	Human IgG1 – kappa
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	Research grade biosimilar. Not for use in therapeutic or diagnostic procedures for humans or animals.
Usage	Research use only

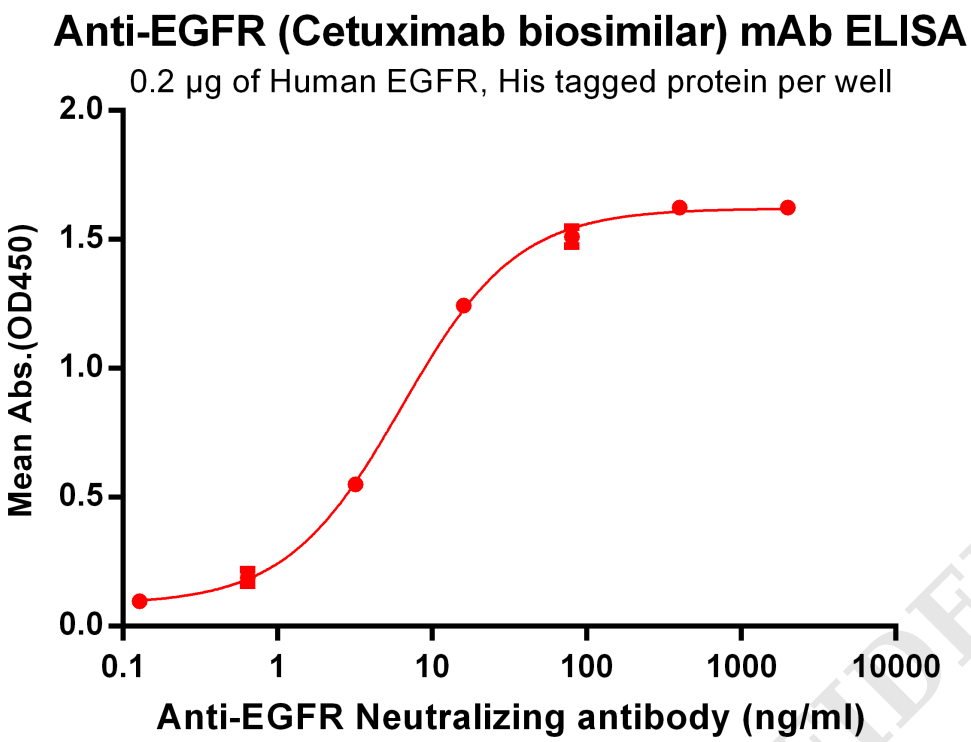

Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human EGFR, His tagged protein PME100099 can bind Anti-EGFR Neutralizing antibody in a linear range of 0.64-80 ng/ml.

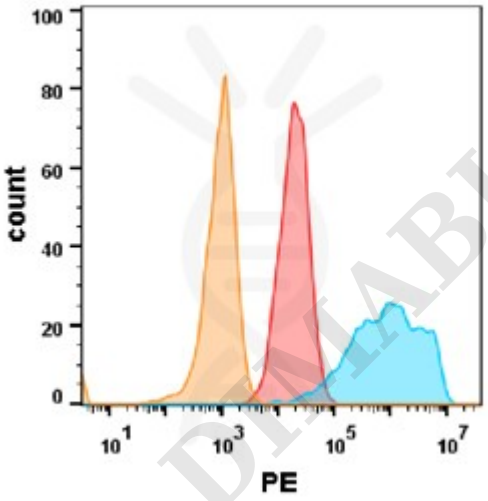

Figure 2. EGFR protein is highly expressed on the surface of HEK293 cell membrane. Flow cytometry analysis with Anti-EGFR (Cetuximab) on HEK293 cells transfected with human EGFR(Blue histogram) or HEK293 transfected with irrelevant protein(Red histogram), and Isotype antibody on HEK293 transfected with irrelevant protein(Orange histogram)

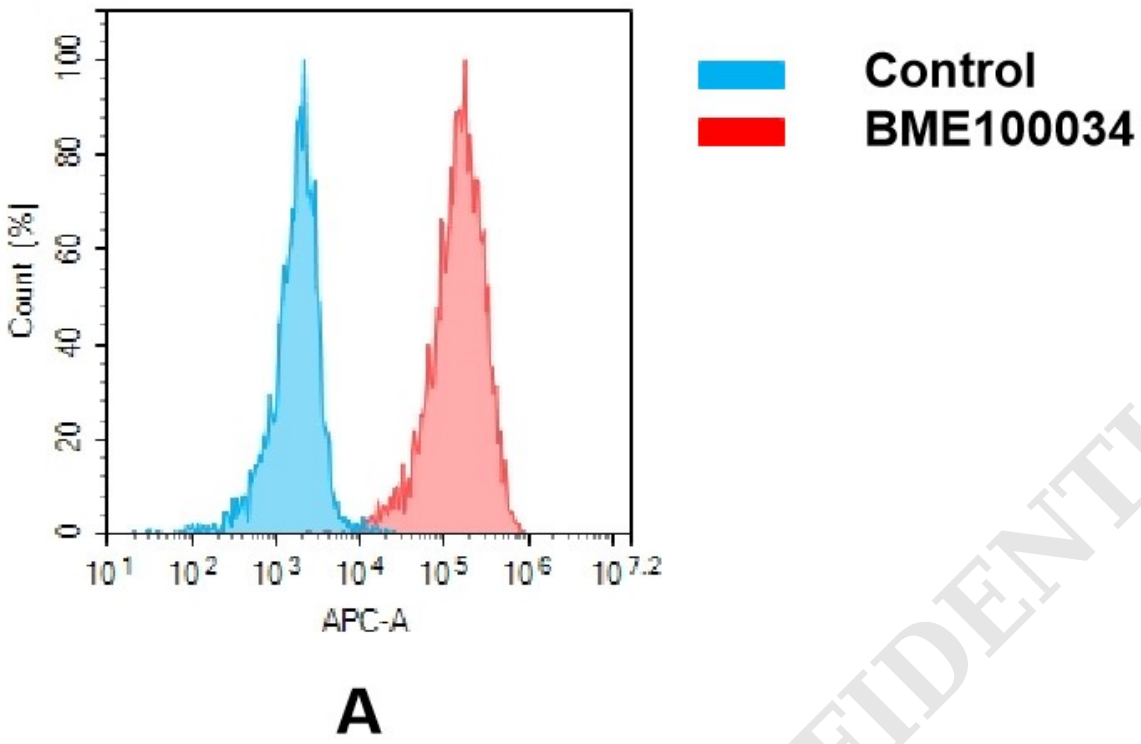

Figure 3. Flow cytometry analysis of antigen binding of anti-human EGFR mAb(BME100034).
(A) A clear peak shift of BME100034 was seen compared to the control when incubated with EGFR-expressing Hela cells, indicating strong binding of BME100034 to EGFR. Antibodies were incubated at 2 μg/mL.

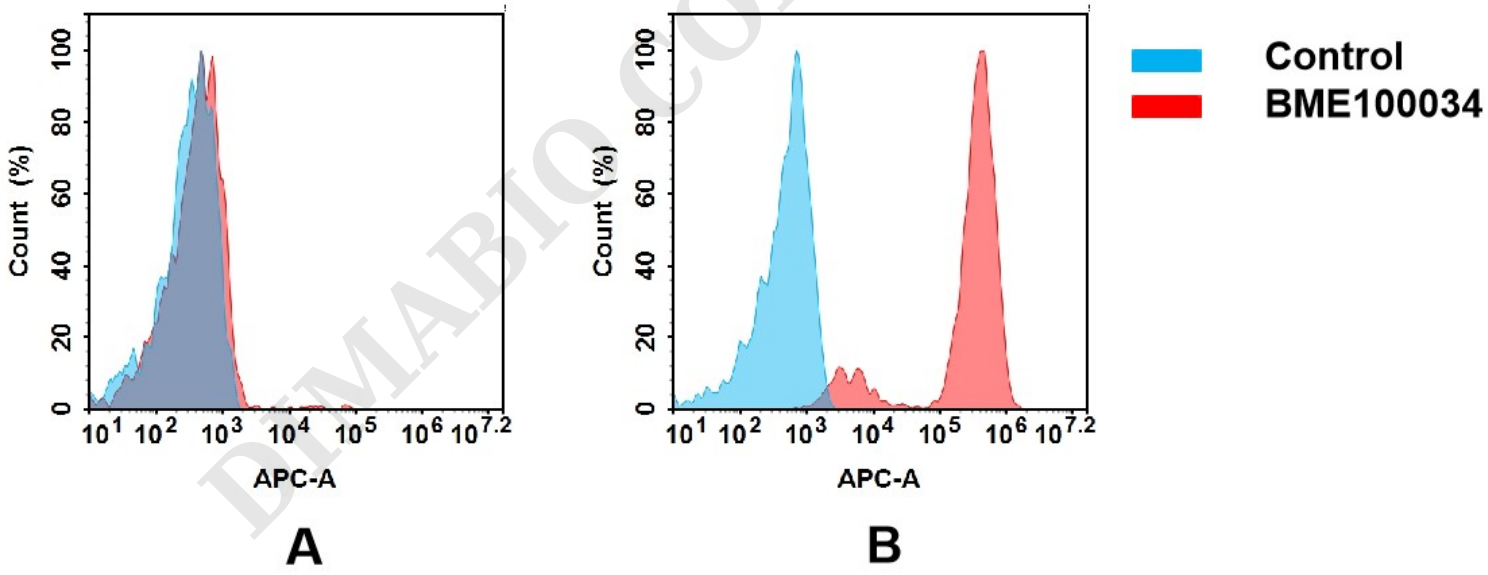

Figure 4. Flow cytometry analysis of antigen binding of anti-human EGFR mAb(BME100034).
(A) BME100034 does not bind to Jurkat cells that do not express EGFR.
(B) A clear peak shift of BME100034 was seen compared to the control when incubated with EGFR-expressing A431 cells, indicating strong binding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