

## **PRODUCT INFORMATION**

Clone ID DM130 **Target EGFR** 

**Synonyms** EGFR;ERBB;ERBB1;HER1;PIG61;mENA

**Host Species** Rabbit

Description Anti-EGFR antibody(DM130); Rabbit mAb

**Delivery** In Stock **Uniprot ID** P00533 IgG type Rabbit IgG Clonality Monoclonal Reactivity Human

**Applications** ELISA; Flow Cyt

Recommended

ELISA 1:5000-10000; Flow Cyt 1:100 **Dilutions** 

Purified from cell culture supernatant by affinity **Purification** 

chromatography

Formulation & Reconstitution

Background

**DIMA Disclaimer** 

Storage & Shipping

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.

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.

The protein encoded by this gene is a

transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization

and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are

associated with lung cancer.

Usage Research use only Conjugate Unconjugated

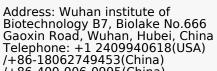
All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under

patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are

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actively scrutinizing all patent application to

ensure no IP infringement.



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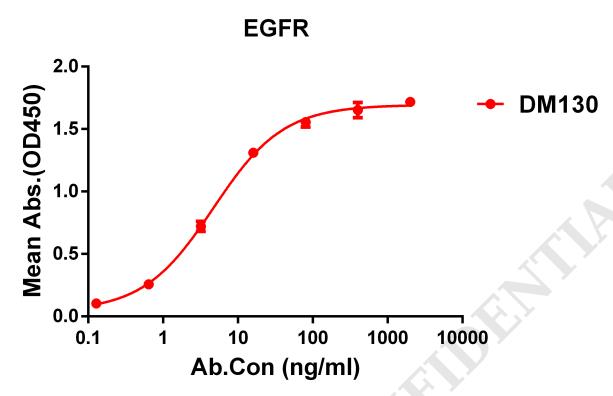


Figure 1. ELISA plate pre-coated by 1  $\mu$ g/ml (100  $\mu$ l/well) Human EGFR protein, His tagged protein PME100099 can bind Rabbit anti-EGFR monoclonal antibody (clone: DM130) in a linear range of 0.06-12 ng/ml.

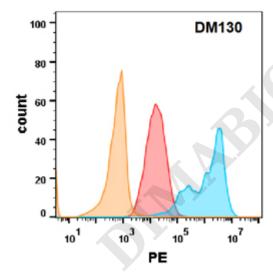


Figure 2. EGFR protein is highly expressed on the surface of HEK293 cell membrane. Flow cytometry analysis with Anti-EGFR (DM130) on HEK293 cells transfected with human EGFR(Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram), and Isotype antibody on HEK293 transfected with irrelevant protein(Orange histogram)

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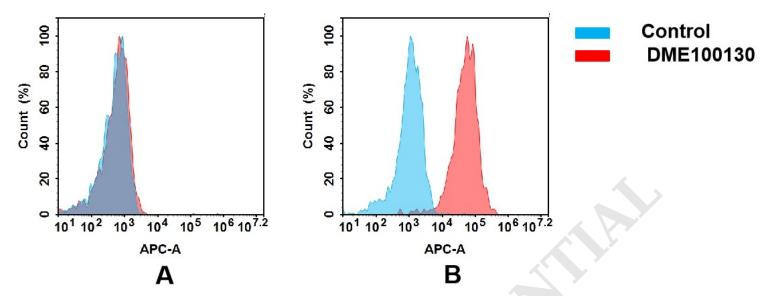


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human EGFR mAb( DME100130). (A) DME100130 does not bind to CHO-S cells that do not express EGFR. (B) A clear peak shift of DME100130 was seen compared to the control when incubated with EGFR-expressing SNU-5 cells, indicating strong binding of DME100130 to EGFR. Antibodies were incubated at 5  $\mu$ g/mL.

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