

## 12-9304: Anti-EGFR antibody(DM130), Rabbit mAb

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Clonality :</b>        | Monoclonal                      |
| <b>Clone Name :</b>       | DM130                           |
| <b>Application :</b>      | ELISA,FACS                      |
| <b>Reactivity :</b>       | Human                           |
| <b>Alternative Name :</b> | EGFR,ERBB,ERBB1,HER1,PIG61,mENA |

### Description

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.

### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 100 µg   |
| <b>Purification :</b>      | Purified from cell culture supernatant by affinity chromatography  |
| <b>Content :</b>           | Not Sterile  |
| <b>Storage condition :</b> | Store at -20°C for 12 months (Avoid repeated freezing and thawing) |

### Application Note

ELISA 1/5000-10000;FACS 1/100

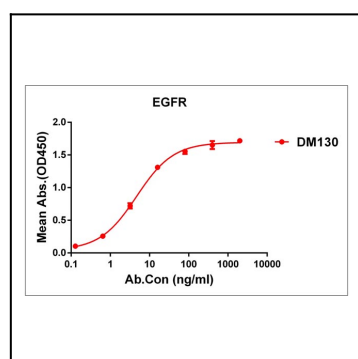


Figure 1. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human EGFR protein, His tagged protein can bind Rabbit anti-EGFR monoclonal antibody(clone: DM130) in a linear range of 0.06-12 ng/ml.

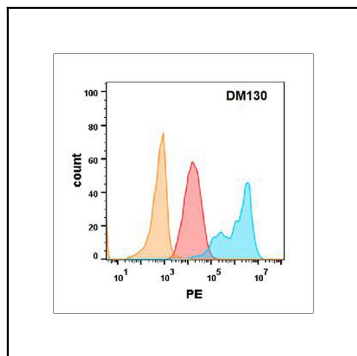


Figure 2. EGFR protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-EGFR (DM130) on Expi293 cells transfected with human EGFR(Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram),and Isotype antibody on Expi293 transfected with irrelevant protein(Orange histogram)