

EGFR (DM130) RABBIT MAB

Cat.#: 28475

Product Name: Anti-EGFR(DM130) Rabbit Monoclonal Antibody

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

Description: Anti-EGFR antibody(DM130) Rabbit Monoclonal Antibody

Background: 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.

Applications: ELISA; Flow Cyt

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

Host Species: Rabbit

Isotype: Rabbit IgG

Purification: Purified from cell culture supernatant by affinity chromatography

Species Reactivity: Human EGFR

Constituents: Lyophilized from sterile PBS, pH 7.4. 5 % – 8% trehalose is added as protectants before lyophilization.

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).

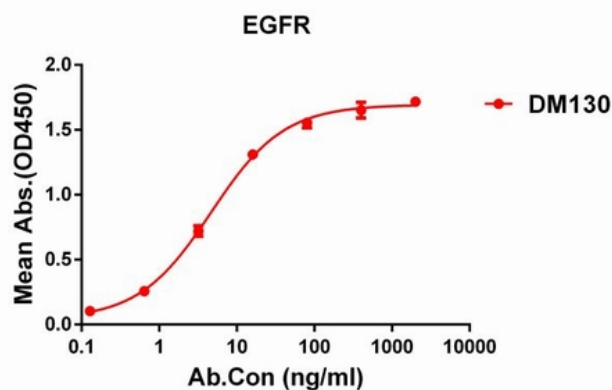


Figure 1. ELISA plate pre-coated by $1\ \mu\text{g}/\text{ml}$ ($100\ \mu\text{l}/\text{well}$) Human EGFR protein, His tagged protein 11218 can bind Rabbit anti-EGFR monoclonal antibody (clone: DM130) in a linear range of $0.06\text{--}12\ \text{ng}/\text{ml}$.

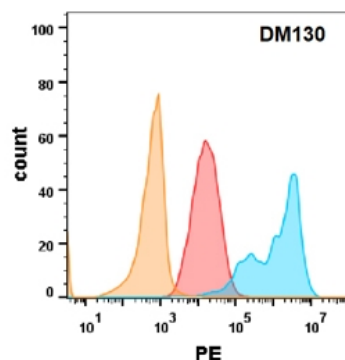


Figure 2. EGFR protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-EGFR (DM130) on Expi293 cells transfected with human EGFR (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected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