

## EGFR (B54C1) MOUSE MAB

**Cat.#:** N261444

**Product Name:** Anti-EGFR (B54C1) Mouse Monoclonal Antibody

**Synonyms:** EGFR; ERBB; ERBB1; HER1; Epidermal growth factor receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1

**UNIPROT ID:** P00533

**Background:** EGFR is a receptor tyrosine kinase. Receptor for epidermal growth factor (EGF) and related growth factors including TGF- $\alpha$ , amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. Is involved in the control of cell growth and differentiation. . A single-pass transmembrane tyrosine kinase. Ligand binding to this receptor results in receptor dimerization, autophosphorylation (in trans), activation of various downstream signaling molecules and lysosomal degradation.

**Immunogen:** Purified recombinant human EGFR protein fragments expressed in E.coli.

**Applications:** WB,ELISA

**Recommended Dilutions:** WB: 1/500-1/1000 ELISA: 1/10000

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** B5-4C1-1D9-1C11

**MW:** Calculated MW: 134 kDa; Observed MW: 130-180 kDa

**Isotype:** IgG1

**Purification:** Affinity Purified

**Species Reactivity:** Human

**Conjugation:** Unconjugated

**Modification:** Unmodified

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Signal Transduction

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing