

# Rabbit anti-Human EGFR mAb(CAP)

**Catalog No.:** RM98010

## Basic Information

**Catalog No.**  
RM98010

**Catagory**  
Elisa Antibody Kit

**Application**  
ELISA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification

**Endotoxin Level**

**Storage**  
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -84°C. Preservative-Free.

**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2um filtered solution in PBS with 0.1% BSA, pH 7.8.

## Contact

 | order@abclonal.com

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## Background

Receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses. Known ligands include EGF, TGF- $\alpha$ , amphiregulin, epigen/EPGN, BTC/betacellulin, epiregulin/EREG and HBEGF/heparin-binding EGF. Ligand binding triggers receptor homo- and/or heterodimerization and autophosphorylation on key cytoplasmic residues. The phosphorylated receptor recruits adapter proteins like GRB2 which in turn activates complex downstream signaling cascades. Activates at least 4 major downstream signaling cascades including the RAS-RAF-MEK-ERK, PI3 kinase-AKT, PLC- $\gamma$ -PKC and STATs modules. May also activate the NF- $\kappa$ -B signaling cascade. Also directly phosphorylates other proteins like RGS16, activating its GTPase activity and probably coupling the EGF receptor signaling to the G protein-coupled receptor signaling. Also phosphorylates MUC1 and increases its interaction with SRC and CTNNB1/beta-catenin

## Immunogen Information

**Immunogen**  
Recombinant Human EGFR

## Cross-Reactivity

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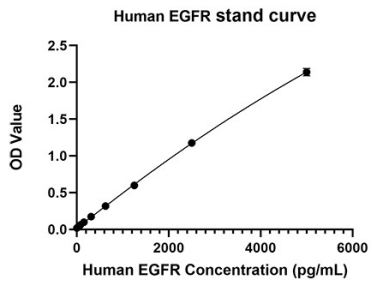
## Assay Applications

Human EGFR Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-Human EGFR mAb(CAP)(Cat. No.RM98010)
ELISA Detection	0.0125-0.05ug/mL	Rabbit anti-Human EGFR mAb(DET)(RM98011)
Standard	78.125-5000pg/mL	Recombinant Human EGFR Protein

## Validation Data

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This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.