

## Anti-EGFR Antibody (1M293)

### Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1M293
Purification:	Protein A

### Applications

Application:	ELISA
Recommended	ELISA: 1:1000-1:2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: Human EGFR / ErbB / HER1 Protein (TMPY-00742)
Antigen Species:	Human
Synonyms:	epidermal growth factor receptor;ERBB;ERBB1;NISBD2;HER1;PIG61;mENA
Biology Area:	Cancer Drug Targets, Receptor Tyrosine Kinases (RTKs)

### Research Background

As a member of the epidermal growth factor receptor (EGFR) family, EGFR protein is type I transmembrane glycoprotein that binds a subset of EGF family ligands including EGF, amphiregulin, TGF- $\alpha$ , betacellulin, etc. EGFR protein plays a crucial role in signaling pathway in the regulation of cell proliferation, survival and differentiation. Binding of a ligand induces EGFR protein homo- or heterodimerization, the subsequent tyrosine autophosphorylation and initiates various down stream pathways (MAPK, PI3K/PKB and STAT). In addition, EGFR signaling also has been shown to exert action on carcinogenesis and disease progression, and thus EGFR protein is proposed as a target for cancer therapy currently. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

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