

## 36-2200: Anti-EGFR (Epidermal Growth Factor Receptor) Monoclonal Antibody(Clone: B1D8)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	B1D8
<b>Application :</b>	IP,FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	EGFR
<b>Gene ID :</b>	1956
<b>Uniprot ID :</b>	P00533
<b>Alternative Name :</b>	ErbB1; ERBB1; Errp; HER1; mENA; PIG61; Proto-oncogene c-ErbB-1; Receptor Tyrosine Protein Kinase; ErbB1; Urogastrone; wa2; Wa5
<b>Isotype :</b>	Mouse IgG2a, kappa
<b>Immunogen Information :</b>	Microsomes from A431 cells.

### Description

This antibody reacts with the extracellular domain of EGFR and blocks the EGF/TGF $\alpha$  induced activation. It also blocks tumor growth in vivo. It is excellent for purification of EGFR. EGFR is type I receptor tyrosine kinase with sequence homology to erbB-1, -2, -3 -4 or HER-1, -2, -3 -4. It binds to Epidermal Growth Factor (EGF), Transforming Growth Factor- $\alpha$  (TGF- $\alpha$ ), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin and epiregulin.

### Product Info

<b>Amount :</b>	20 $\mu$ g / 100 $\mu$ g
<b>Content :</b>	200 $\mu$ g/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Affinity Purification (For coupling, order Ab without BSA); Blocks Ligand-induced Activation of EGFR; Inhibits Proliferation of A431 cells (Order Ab without sodium azide); Arrests Tumor Growth in vivo (Order Ab without BSA & Azide); Immunoprecipitation (1-2 $\mu$ g/500 $\mu$ g protein lysate); Flow Cytometry (1-2 $\mu$ g/million cells);

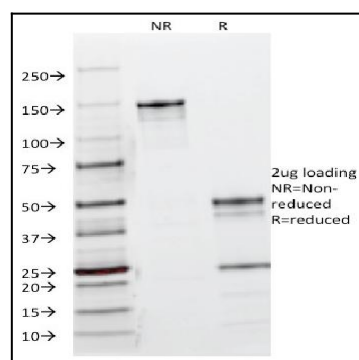


Fig. 1: SDS-PAGE Analysis Purified EGFR Mouse Monoclonal Antibody (B1D8). Confirmation of Integrity and Purity of Antibody.