

Product datasheet for **AM50265PU-S**

EGFR Mouse Monoclonal Antibody [Clone ID: B1D8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B1D8
Applications:	FC, IP
Recommended Dilution:	Affinity Purification (For coupling, order Antibody without BSA). Blocks Ligand-induced Activation of EGFR. Inhibits Proliferation of A431 Cells (Order Antibody without Sodium Azide). Arrests Tumor Growth in vivo (Order Ab without BSA and Azide). Immunoprecipitation: 1-2 µg/500 µg protein lysate. Flow Cytometry: 0.5-1 µg/million cells. Positive Control: A431 cells, Breast or Bladder cancer
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Microsomes from A431 cells.
Specificity:	This antibody reacts with the extracellular domain of EGFR and blocks the EGF/TGF α -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- α (TGF- α), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin and epiregulin. Cellular Localization: Cell surface.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated



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Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~170 kDa (wild type) and ~145 kDa (vIII variant)
Gene Name:	epidermal growth factor receptor
Database Link:	Entrez Gene 1956 Human P00533
Background:	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- α (TGF- α), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin and epiregulin. EGFR is overexpressed in tumors of breast, brain, bladder, lung, gastric, head & neck, esophagus, cervix, vulva, ovary, and endometrium. It is predominantly present in squamous cell carcinomas.
Synonyms:	Epidermal growth factor receptor, EGF Receptor, erbB-1, c-ErbB-1