

## EGF Receptor Antibody [clone B1D8] (V2106)

Catalog No.	Formulation	Size
V2106-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2106-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2106SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

 [Citations \(3\)](#)
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<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	B1D8
<b>Purity</b>	Protein G purified monoclonal antibody
<b>Buffer</b>	1X PBS, pH 7.4
<b>Gene ID</b>	1956
<b>Localization</b>	Cell surface
<b>Applications</b>	Affinity Purification (order BSA/sodium Azide-free Format For Coupling) : Blocks Ligand-induced Activation Of EGFR : Inhibits Proliferation Of A431 Cells (order BSA/azide-free Format) : Arrests Tumor Growth In Vivo (order BSA/azide-free Format) : Immunoprecipitation : 1-2ug/500ug protein lysate Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells
<b>Limitations</b>	This <b>EGF Receptor antibody</b> is available for research use only.



## Description

This antibody reacts with the extracellular domain of EGF receptor and blocks the EGF/TGF $\alpha$ -induced activation. It also blocks tumor growth in vivo. It is excellent for purification of EGF receptor. [EGFR](#) is type I receptor tyrosine kinase with sequence homology to [ErbB2](#), -3 -4 or [HER2](#), -3 -4. It binds to Epidermal Growth Factor (EGF), [Transforming Growth Factor- \$\alpha\$  \(TGF \$\alpha\$ \)](#), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin and epiregulin.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.

## Immunogen

Microsomes from A431 cells were used as the immunogen for this antibody.

## Storage

Store the EGF Receptor antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

## Alternate Names

ErbB1; Errp; HER1; mENA; PIG61; Proto-oncogene c-ErbB1; Receptor Tyrosine Protein Kinase; Urogastrone; Wa2; Wa5, EGF Receptor antibody

## References (2)