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## 36-2203: Anti-EGFR (Epidermal Growth Factor Receptor) Monoclonal Antibody(Clone: GFR/1708)

Clonality: Monoclonal
Clone Name: GFR/1708
Application: WB,IHC
Reactivity: Human
Gene: EGFR
Gene ID: 1956
Uniprot ID: P00533

Alternative Name: Erbb1; ERBB1; Errp; HER1; mENA; PIG61; Proto-oncogene c-ErbB-1; Receptor Tyrosine Protein

Kinase; ErbB1; Urogastrone; wa2; Wa5

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Recombinant full-length human EGFR protein

## **Description**

This MAb recognizes a protein of 170kDa, identified as 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-a (TGF-a), 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.

## **Product Info**

**Amount:** 20 μg / 100 μg

Content: 200 µg/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 1mg/ml.

**Storage condition :** 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**

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.1-0.2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

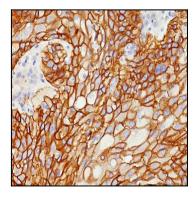


Fig. 1: Formalin-fixed, paraffin-embedded human Lung SCC stained with EGFR Mouse Monoclonal Antibody (GFR/1708).



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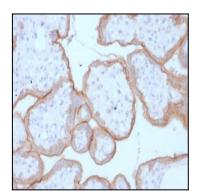


Fig. 2: Formalin-fixed, paraffin-embedded human Placenta stained with EGFR Mouse Monoclonal Antibody (GFR/1708).

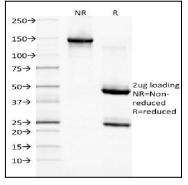


Fig. 3: SDS-PAGE Analysis Purified EGFR Mouse Monoclonal Antibody (GFR/1708). Confirmation of Integrity and Purity of Antibody.