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## 36-1100: Monoclonal Antibody to EGFR (Epidermal Growth Factor Receptor)(Clone: 31G7)

**Clonality:** Monoclonal

Clone Name: 31G7
Application: FACS,IF,IHC
Reactivity: Human
Gene: EGFR
Gene ID: 1956
Uniprot ID: P00533

Alternative Name: EGFR,ERBB,ERBB1,HER1
Isotype: Mouse IgG2a, kappa

Immunogen Information: Human EGFR purified from A431 cells

Purified

## **Description**

Format:

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, beta cellulin 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:** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

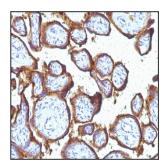
toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 30 minutes at RT)(Digest formalin-fixed tissues with Protease (Sigma Cat. #P-6911) at 1mg/ml PBS, pH 7.4 for 10 min at 37C)



Formalin-fixed, paraffin-embedded human Placenta stained with EGFR Monoclonal Antibody (31G7).