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36-1097: Monoclonal Antibody to EGFR (Epidermal Growth Factor Receptor)(Clone: Clone: GFR450)

Clonality: Monoclonal **GFR450** Clone Name: Application: FACS.IF Reactivity: Human Gene: **EGFR** Gene ID: 1956 **Uniprot ID:** P00533 Format: Purified

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

Immunogen Information: Recombinant extracellular domain of 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, 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:

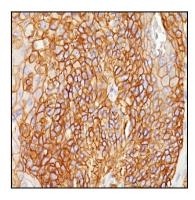
Storage condition:

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);

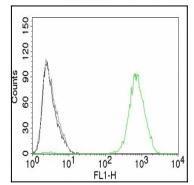


Formalin-fixed, paraffin-embedded Lung Squamous Cell Carcinoma stained with EGFR Monoclonal Antibody (GFR450).

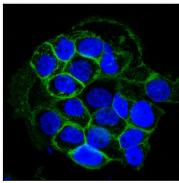


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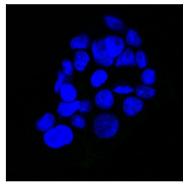
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Flow Cytometry of human EGFR on A431 Cells.Black: Cells alone; Grey: Isotype Control; Green: AF488-labeled EGFR Monoclonal Antibody (GFR450).



Confocal Immunofluorescent analysis of A431 cells using AF488-labeled EGFR Monoclonal Antibody (GFR450) (Green). DAPI was used to stain the cell nuclei (blue).



Confocal Immunofluorescent analysis of A431 cells using AF488-labeled Isotype Control Monoclonal Antibody (IgG2a) (Green). DAPI was used to stain the cell nuclei (blue). (Negative Control)