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36-2194: Anti-EGFR (Epidermal Growth Factor Receptor) Monoclonal Antibody(Clone: GFR450)-CF488

Clonality :	Monoclonal
Clone Name :	GFR450
Application :	FACS,IF
Reactivity :	Human
Conjugate :	CF488
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 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, 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 :	0.5 ml at 100µg/ml
Content :	Antibody Purified from Bioreactor Concentrate by Protein A/G and conjµgated to various reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you require this Ab in a different format.
Storage condition :	Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100);

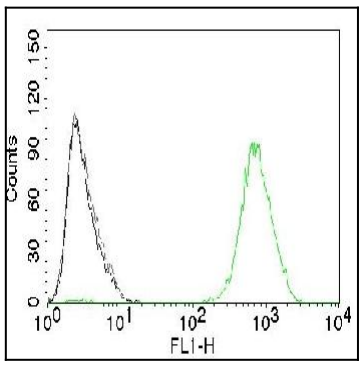

Fig. 1: Flow Cytometry of human EGFR on A431 cells. Black: cells alone; Grey: Isotype Control; Green: CF488-labeled EGFR Monoclonal Antibody (GFR450).

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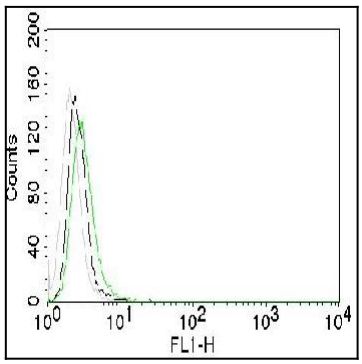

Fig. 2: Flow Cytometry of EGFR on Mouse NIH/3T3 cells. Black: cells alone; Grey: Isotype Control; Green: CF488-labeled EGFR Monoclonal Antibody (GFR450).

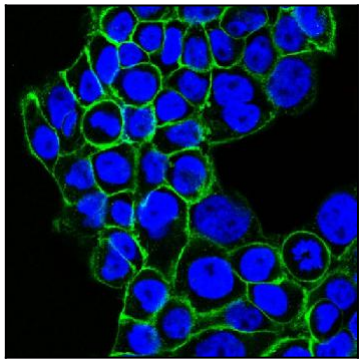

Fig. 3: Confocal Immunofluorescent analysis of A431 cells using CF488-labeled EGFR Monoclonal Antibody (GFR450) (Green). DAPI was used to stain the cell nuclei (blue).

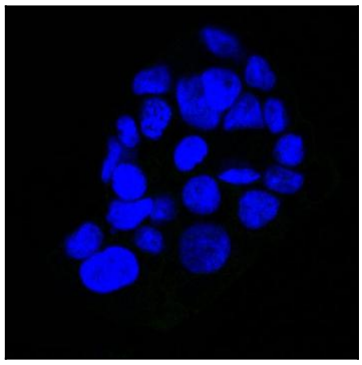

Fig. 4: Confocal Immunofluorescent analysis of A431 cells using CF488-labeled Isotype Control MAb (IgG2a) (Green). DAPI was used to stain the cell nuclei (blue). (Negative Control)

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