

Mouse EGFR (Epidermal Growth Factor Receptor) Monoclonal Antibody | anti-EGFR antibody

EGFR (Epidermal Growth Factor Receptor)

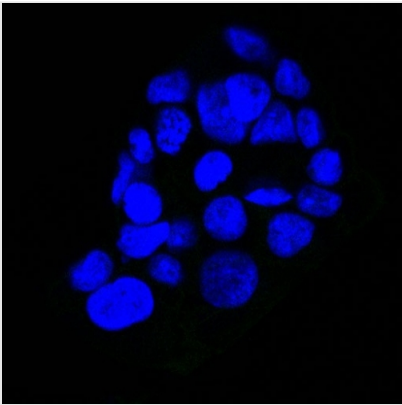
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214937	Mouse	HumanDoes not react with Mouse.	Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

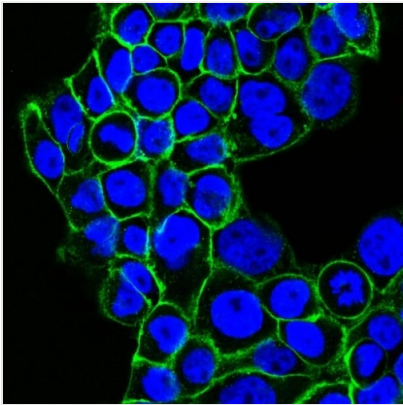
EGFR (Epidermal Growth Factor Receptor); Monoclonal Antibody; Erbb1; ERBB1; Errp; HER1; mENA; PIG61; Proto-oncogene c-ErbB-1; Receptor Tyrosine Protein Kinase; ErbB1; Urogastrone; wa2; Wa5; anti-EGFR antibody

PRODUCT SPECIFICATIONS

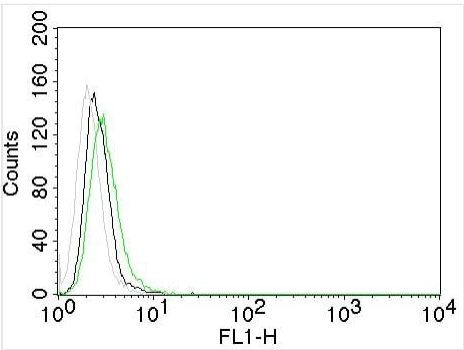
Host	Mouse
Reactivity	Human Does not react with Mouse.
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	GFR450
Specificity	This MAb recognizes a protein of 170kDa, identified as EGFR. EGFR is type I receptor tyrosine kinase with sequence homology to erbB-1, -2, -3 -4 or HER-1, -2, -3 -4. It binds to Epidermal Growth Factor (EGF), Transforming Growth Factor- α (TGF- α), 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.
Purity/Purification	Purified Ab conjugated to CF488
Form/Format	Antibody Purified from Bioreactor Concentrate by Protein A/G and conjugated 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.
Sequence Length	1210
Applicable Applications for anti-EGFR antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	A431 cells, Breast or Bladder cancer.
Immunogen	Recombinant extracellular domain of human EGFR protein
Cellular Localization	Cell Surface
Hu-chromosome Location	7p11.2
Preparation and Storage	Antibody with azide: store at 4 to 8 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



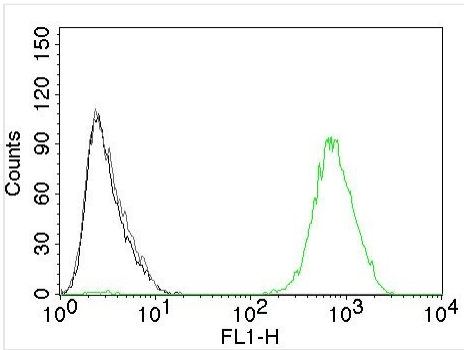
IF (Immunofluorescence)
Confocal Immunofluorescent analysis of A431 cells using CF488-labeled Isotype Control MAb (IgG2a) (Green). DAPI was used to stain the cell nuclei (blue). (Negative Control)



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



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



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

ADDITIONAL INFORMATION

References	Tungekar MF et. al. Journal of Clinical Pathology. 51: 583-587 (1998)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956
NCBI Accession #	NP_005219.2
NCBI GenBank Nucleotide #	NP_005219.2
UniProt Accession #	P00533
Molecular Weight	~170kDa (wild type) and ~145kDa (vIII variant)
NCBI Official Full Name	epidermal growth factor receptor isoform a
NCBI Official Synonym Full Names	epidermal growth factor receptor
NCBI Official Symbol	EGFR
NCBI Official Synonym Symbols	ERBB; HER1; mENA; ERBB1; PIG61; NISBD2
NCBI Protein Information	epidermal growth factor receptor
UniProt Protein Name	Epidermal growth factor receptor

UniProt Gene Name	EGFR
UniProt Synonym Gene Names	ERBB; ERBB1; HER1
UniProt Entry Name	EGFR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/egfr-epidermal-growth-factor-receptor-antibody-clone-gfr450-immunofluorescence-flow-cytometry-elisa/214937>