

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

EGFR (Epidermal Growth Factor Receptor)

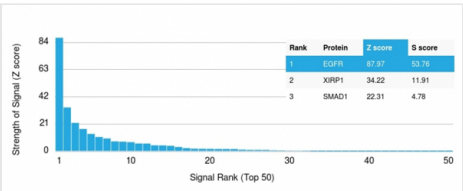
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62958	Mouse	Human. Others not known.	Immunohistochemistry

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

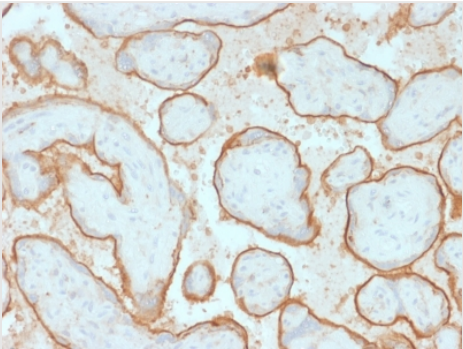
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	GFR/2341
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.
Form/Format	200ug/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.
Sequence Length	1210
Applicable Applications for anti-EGFR antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment of human EGFR protein (around aa 344-492)
Cellular Localization	Cell Surface
Hu-chromosome Location	7p11.2
Positive Control	A431 cells. Placenta, Breast, Colon or Bladder cancer
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

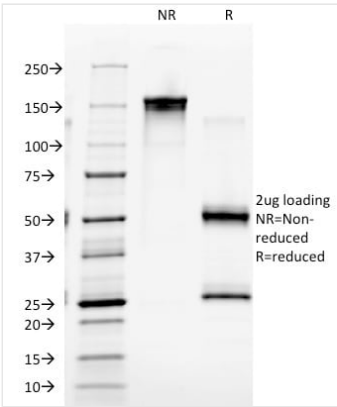


Application Data

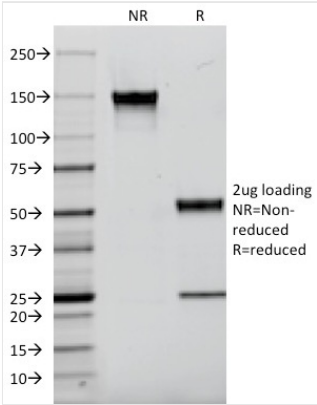
Analysis of Protein Array containing more than 19,000 full-length human proteins using EGFR Mouse Monoclonal Antibody (GFR/2341) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Placenta stained with EGFR Mouse Monoclonal Antibody (GFR/2341).



SDS-PAGE
SDS-PAGE Analysis Purified EGFR Mouse Monoclonal Antibody (GFR/2341). Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Lung SqCC stained with EGFR Mouse Monoclonal Antibody (GFR/2341).

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 #	NM_005228.4
UniProt Accession #	P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7
Molecular Weight	~170kDa (wild type); ~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

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-gfr-2341-immunohistochemistry-elisa/62958>