

## Rat EGF R Monoclonal Antibody | anti-EGF antibody

RAT ANTI HUMAN EGF RECEPTOR:RPE

|                              |                    |                                                         |
|------------------------------|--------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA49481</b> | HOST<br><b>Rat</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|------------------------------|--------------------|---------------------------------------------------------|

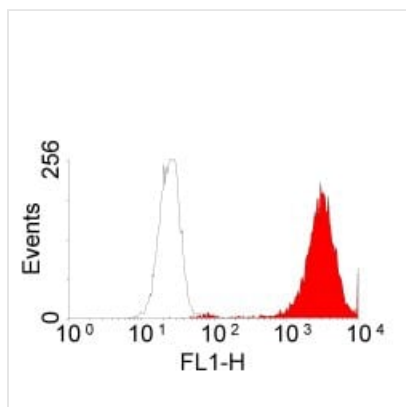
### PRODUCT SYNONYMS

EGF R; Monoclonal Antibody; RAT ANTI HUMAN EGF RECEPTOR:RPE; anti-EGF antibody

### PRODUCT SPECIFICATIONS

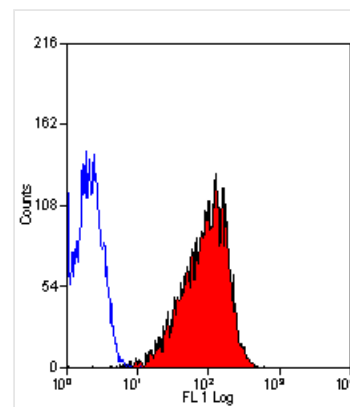
|                                               |                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rat                                                                                                                                                                                                                                                                                                                                                                |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                                                                                                                         |
| Isotype                                       | IgG2a                                                                                                                                                                                                                                                                                                                                                              |
| Clone Number                                  | ICR10                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format                                   | Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised                                                                                                                                                                                                                                                                                                    |
| Sequence Length                               | 1210                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for anti-EGF antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                          |
| Reconstitution                                | Reconstitute with 1.0 ml distilled water<br>Perservative Stabilisers                                                                                                                                                                                                                                                                                               |
| Immunogen                                     | Extracellular domain of human EGF-receptor from head and neck carcinoma<br>Buffer Solution                                                                                                                                                                                                                                                                         |
| Target Species                                | Human                                                                                                                                                                                                                                                                                                                                                              |
| Preparation and Storage                       | Prior to reconstitution store at 4 degree C. Following reconstitution store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 12 months from date of reconstitution. |

### IMAGES



#### Application Data

Staining of A431 cells with Rat anti Human EGF Receptor



#### Application Data

Staining of A431 cells with Rat anti Human EGF Receptor:FITC

ADDITIONAL INFORMATION

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| Related Product Information for anti-EGF antibody | Rat anti Human EGF Receptor antibody, clone ICR10 recognizes the human epidermal growth factor receptor (EGF-R), which is over expressed in a high proportion of breast cancer cells and in a range of other carcinomas. High level expression of EGFR is often associated with advanced disease and poor prognosis. Rat anti Human EGF Receptor antibody, clone ICR10 binds to epitope B from EGFR (Lottaz et al. 2010 and Modjtahedi et al. 1993) and has an affinity of 6.7 x 10-9 M. |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 29725609                                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 1956                                                                                                                                                                                                                                                                             |
| NCBI Accession #                 | NP_005219.2                                                                                                                                                                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_005228.3                                                                                                                                                                                                                                                                      |
| UniProt Accession #              | P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7                                                                                                                                                                                   |
| Molecular Weight                 | 69,228 Da                                                                                                                                                                                                                                                                        |
| 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; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; erb-b2 receptor tyrosine kinase 1; proto-oncogene c-ErbB-1; receptor tyrosine-protein kinase erbB-1 |
| 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/egf-r-antibody-clone-icr10-flow-cytometry-elisa/49481>