

Anti-EGFR Affibody[®] IP Kit

BACKGROUND

The Epidermal Growth Factor Receptor (EGFR, ErbB) is a cell surface glycoprotein of approximately 135 kD (unglycosylated). There are several alternatively spliced forms of EGFR including a secreted soluble form. The EGFR belongs to the family tyrosine kinase receptors which are characterized by an extracellular ligand-binding domain, a single transmembrane and an intracellular domain responsible for transducing the signal. The receptor dimerizes upon binding to EGFR and the transduced signal stimulates cell growth and differentiation. The EGFR is over expressed or mutated in many types of cancers and the receptor as well as the down stream signaling molecules are subjects to several cancer therapeutic interventions.

The Anti-EGFR Affibody[®] molecule is a specific affinity ligand selected against the extracellular domain of EGFR. The molecule can be used for immunofluorescence staining of EGFR on formaldehyde fixed cells as well as in flow cytometry and immunoprecipitation. The Anti-EGFR Affibody[®] molecule IP kit contains agarose immobilized Anti-EGFR Affibody[®] molecule and cysteine blocked agarose for pre-clearing of the cell extract.

PRODUCT INFORMATION

Product name: Anti-EGFR Affibody[®] IP kit

Content: Agarose immobilized Anti-EGFR Affibody[®] molecule and cysteine blocked agarose

Catalog number: 10.1246.04.9002

Source: Recombinant protein produced in *E. coli*.

Specificity: Anti-EGFR Affibody[®] molecule binds to human EGFR. Cross reactivity with other species has not been tested.

MW: 13.7 kDa

Purity: >98% as determined by SDS-PAGE and RP-HPLC analysis.

Tested applications: Immunoprecipitation.

Form: As 50% slurry in buffer solution (20 mM Sodium Phosphate, 150 mM Sodium Chloride, 0.02%(w/v) Sodium Azide, pH 7.5).

Storage: At +4°C. Avoid freezing.

Shipping: At ambient temperature.

Stability: There is no decrease in performance of the kit after storage for 2 weeks at +37°C.

Product support: www.affibody.com/shop
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LIMITATIONS

Warranty: Affibody[®] products are warranted to meet stated product specifications and to confirm to label descriptions when used and stored properly. Unless otherwise stated, this warranty is limited to one year from date of sales for products used, handled and stored according to Affibody AB's instructions. Affibody AB's sole liability is limited to replacement of the product or refund of the purchase price. Affibody[®] products are supplied for research use only. They are not intended for medicinal, diagnostic or therapeutic use. Affibody[®] products may not be resold, modified for resale or used to manufacture commercial products without prior written approval from Affibody AB.

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