

For Research Use Only

CoraLite® Plus 647 Anti-Human EGFR Rabbit scFv Antibody

Catalog Number: CL647-SF98344



Basic Information

Catalog Number:

CL647-SF98344

Source:

Rabbit

Type:

scFv

Immunogen Catalog Number:

EG0204

GenBank Accession Number:

NM_005228.5

GeneID (NCBI):

1956

Full Name:

epidermal growth factor receptor
(erythroblastic leukemia viral (v-erb-
b) oncogene homolog, avian)

Calculated MW:

134kd

Purification Method:

Affinity purification

CloneNo.:

242684A1

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl
suspension

Excitation/Emission maxima
wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : A431 cells,

Background Information

EGFR, also named as ERBB1, is a cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. The gene resides on chromosome 7p12, encoding a 170 kDa membrane-associated glycoprotein. Recent studies have shown EGFR plays a critical role in cancer development and progression, including cell proliferation, apoptosis, angiogenesis, and metastatic spread. Mutations in this gene are associated with lung cancer.

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

For technical support and original validation data for this product please contact:

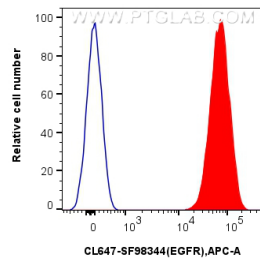
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ A431 cells were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Human EGFR Rabbit scFv Antibody (CL647-SF98344, Clone: 242684A1) (red) or 0.25 ug FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.