

For Research Use Only

CoraLite® Plus 647 Anti-Human EGFR Rabbit scFv Antibody

Catalog Number: CL647-SF98344



Basic Information

Catalog Number: CL647-SF98344	GenBank Accession Number: NM_005228.5	Purification Method: Affinity purification
Size: 100ug , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 1956	CloneNo.: 242684A1
Source: Rabbit	Full Name: epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Type: scFv	Calculated MW: 134kd	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG0204		

Applications

Tested Applications: FC	Positive Controls: FC : A431 cells,
Species Specificity: human	

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

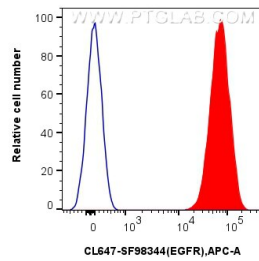
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

*** 20ul sizes contain 0.1% BSA

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.