

For Research Use Only

CoraLite® Plus 647-conjugated Phospho-EGFR (Tyr869) Recombinant monoclonal antibody

Catalog Number: CL647-84839



Basic Information

Catalog Number:

CL647-84839

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC094761

GeneID (NCBI):

1956

UNIPROT ID:

P00533

Full Name:

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

Calculated MW:

1210 aa, 134 kDa

Observed MW:

180 kDa

Purification Method:

Protein A purification

CloneNo.:

241785G5

Recommended Dilutions:

FC (Intra): 0.13 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima

wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra) : EGF 100ng/mL 30min A431 cells,

Background Information

Epidermal growth factor receptor (EGFR) is a member of the receptor tyrosine kinase (RTK) family and plays a critical role in a wide variety of cellular functions, including proliferation, differentiation and apoptosis. After EGFR homodimerization with extracellular ligands such as epidermal growth factor (EGF), the intracellular tyrosine kinase domain is activated and autophosphorylates multiple tyrosine residues in the C-terminal tail domain. (PMID: 23822636) Some scientists call EGFR Tyr869 as EGFR Tyr845, the site where the signaling peptide is removed.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

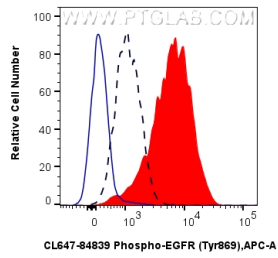
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ A431 cells untreated (dashed lines) or treated with EGF which intracellularly stained with 0.13 ug Coralite® Plus 647 Phospho-EGFR (Tyr869) Recombinant Antibody (CL647-84839, Clone:241785G5)(red), or 0.13 ug Isotype Control (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).