For Research Use Only

CoraLite® Plus 647-conjugated Phospho-EGFR (Tyr1016) Recombinant monoclonal antibody

Catalog Number:CL647-82736-11

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-82736-11

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

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:
170 kDa

Purification Method:
Protein A purification

CloneNo.:
250687B2

Recommended Dilutions:
FC (Intra): 0.25 ug per 10^6 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 treated A431 cells,

Background Information

Epidermal Growth Factor Receptor (EGFR) is one of the receptor tyrosine kinases (RTKs), members of the ErbB/HER family which consists of ErbB1 (EGFR or HER1), ErbB2 (HER2 or Neu), ErbB3 (HER3), and ErbB4 (HER4). Phosphorylation at Tyr1016 is essential for the recruitment of downstream signaling molecules. For example, it can interact with adapter proteins like GRB2, which in turn activates the Ras-MAPK pathway, leading to cell proliferation and differentiation. (PMID: 26628682) Some scientists call EGFR Tyr1016 as EGFR Tyr992, the site where the signaling peptide is removed.

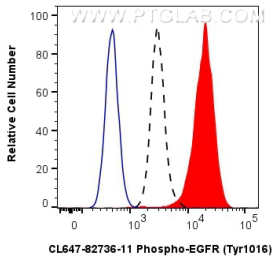
Storage

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10^6 A431 cells untreated (dashed lines) or treated with EGF which intracellularly stained with 0.25 ug Coralite® Plus 647 Phospho-EGFR (Tyr1016) Recombinant Antibody (CL647-82736-11, Clone:250687B2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).