

For Research Use Only

# CoraLite®594-conjugated Phospho-EGFR (Tyr869) Recombinant monoclonal antibody

Catalog Number:CL594-84839



## Basic Information

<b>Catalog Number:</b> CL594-84839	<b>GenBank Accession Number:</b> BC094761	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1956	<b>CloneNo.:</b> 241785G5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P00533	<b>Recommended Dilutions:</b> FC (Intra): 0.13 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
	<b>Calculated MW:</b> 1210 aa, 134 kDa	
	<b>Observed MW:</b> 180 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra)	<b>Positive Controls:</b> FC (Intra) : EGF 100ng/mL 30min A431 cells,
<b>Species Specificity:</b> human	

## 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.

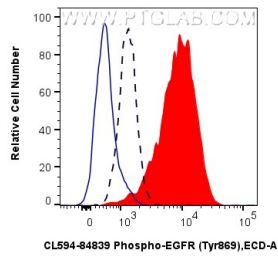
## Storage

**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:  
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

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## Selected Validation Data



1X10<sup>6</sup> A431 cells untreated (dashed lines) or treated with EGF which intracellularly stained with 0.13 ug Coralite® 594 Phospho-EGFR (Tyr869) Recombinant Antibody (CL594-84839, Clone:241785G5)(red), or 0.13 ug Isotype Control (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).