

For Research Use Only

# CoraLite® Plus 488-conjugated Phospho-EGFR (Tyr1197) Recombinant antibody

Catalog Number: **CL488-84906**



## Basic Information

<b>Catalog Number:</b> CL488-84906	<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> 241826G10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P00533	<b>Recommended Dilutions:</b> FC (Intra): 0.25 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> 493 nm / 522 nm
	<b>Calculated MW:</b> 1210 aa, 134 kDa	
	<b>Observed MW:</b> 175 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra)	<b>Positive Controls:</b> FC (Intra) : EGF treated A431 cells,
<b>Species Specificity:</b> human	

## 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). The EGFR autophosphorylation sites Tyr-992 and Tyr-1173 (also known as Tyr 1197) have been shown to play a critical role in the activation of the MAPK cascade following EGF stimulation. (PMID: 15708852)

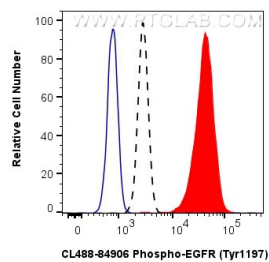
## Storage

**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](mailto:proteintech@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 0.25 ug Coralite® Plus 488 Phospho-EGFR (Tyr1197) Recombinant Antibody (CL488-84906, Clone:241826G10)(red), or 0.25 ug Coralite® Plus 488 Rabbit IgG Isotype Control RecAb (CL488-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.