

For Research Use Only



CoraLite® Plus 647-conjugated Phospho-HER2/ErbB2 (Tyr877) Recombinant monoclonal antibody

Catalog Number: **CL647-82762-11**

Basic Information

Catalog Number: CL647-82762-11	GenBank Accession Number: BC156755	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2064	CloneNo.: 250539F5
Source: Rabbit	UNIPROT ID: P04626	Recommended Dilutions: FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
	Calculated MW: 1255 aa, 138 kDa	
	Observed MW: 185 kDa	

Applications

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

Background Information

HER2, also known as ErbB2 and Neu, is a 185-kDa transmembrane glycoprotein that is a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. Phospho-HER2/ErbB2 (Tyr877) refers to the phosphorylated form of the human epidermal growth-factor receptor 2 (HER2, ErbB2) at tyrosine 877 within its kinase domain. This phosphorylation event is catalyzed in trans by dimerization-activated HER2 itself or by Src-family kinases (SFKs) upon receptor clustering, and serves as a critical activation switch for downstream signaling cascades. (PMID: 34107301)

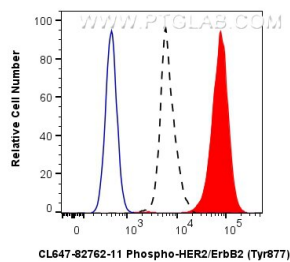
Storage

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)
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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 0.25 ug Coralite® Plus 647 Phospho-Her2/ErbB2 (Tyr877) Recombinant Antibody (CL647-82762-11, Clone:250539F5)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).