

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

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC156755

GeneID (NCBI):

2064

UNIPROT ID:

P04626

Full Name:

v-erb-b2 erythroblastic leukemia
viral oncogene homolog 2,
neuro/glioblastoma derived
oncogene homolog (avian)

Calculated MW:

1255 aa, 138 kDa

Observed MW:

185 kDa

Purification Method:

Protein A purification

CloneNo.:

250539F5

Recommended Dilutions:

FC (Intra): 0.25 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 treated A431 cells,

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:

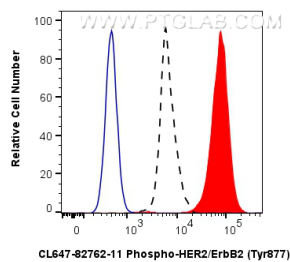
T: 4006900926

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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).