

For Research Use Only

# CoraLite® Plus 647 Anti-Human HER2/ErbB2 Rabbit scFv Antibody

Catalog Number: CL647-SF98304-3



## Basic Information

Catalog Number:  
CL647-SF98304-3

Source:  
Rabbit

Type:  
scFv

GenBank Accession Number:  
BC156755

GeneID (NCBI):  
2064

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

Calculated MW:  
1255 aa, 138 kDa

Purification Method:  
Affinity purification

CloneNo.:  
242436C4

Recommended Dilutions:  
FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl  
suspension

Excitation/Emission maxima  
wavelengths:  
654 nm / 674 nm

## Applications

Tested Applications:  
FC

Species Specificity:  
human

Positive Controls:

FC : SK-BR-3 cells,

## Background Information

HER2, also known as ErbB2, Neu, and CD340, is a 185-kDa transmembrane glycoprotein member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. It has no ligand-binding domain and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signaling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase.

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

For technical support and original validation data for this product please contact:

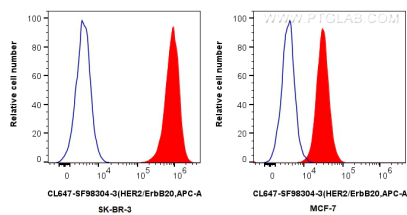
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> SK-BR-3 cells (left) or MCF-7 cells (right) were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Human HER2/ErbB2 Rabbit scFv Antibody (CL647-SF98304-3, Clone: 242436C4) (red) or 0.25 ug FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.