

For Research Use Only

Anti-Human HER2/ErbB2 Rabbit Recombinant Antibody

Catalog Number: 98304-3-RR



Basic Information

Catalog Number:

98304-3-RR

Size:

100ug, 1000 µg/ml

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

Purification Method:

Protein A purification

CloneNo.:

242436C4

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl
suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : SK-BR-3 cells, MCF-7 cells, Transfected CHO

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

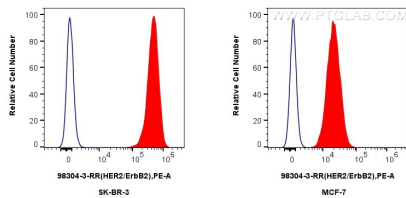
For technical support and original validation data for this product please contact:

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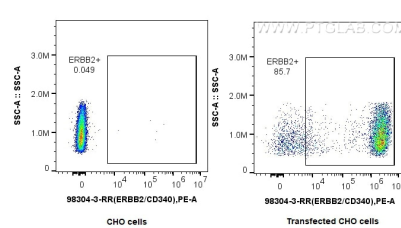
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W: ptglab.com

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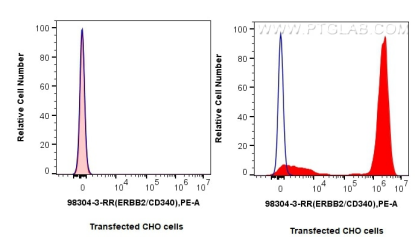
Selected Validation Data



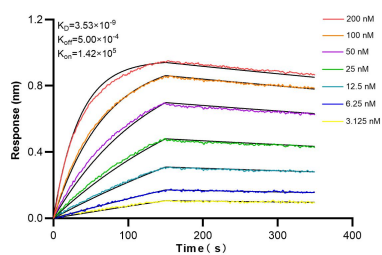
1x10⁶ SK-BR-3 cells (left) or MCF-7 cells (right) were surface stained with 0.25 ug Anti-Human HER2/ErB2 Rabbit RecAb (98304-3-RR, Clone: 242436C4) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



1x10⁶ CHO cells or HER2/ErB2-transfected CHO cells were surface stained with 0.25 ug Anti-Human HER2/ErB2 Rabbit RecAb (98304-3-RR, Clone: 242436C4) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



1x10⁶ CHO cells or HER2/ErB2-transfected CHO cells were surface stained with 0.25 ug Anti-Human HER2/ErB2 Rabbit RecAb (98304-3-RR, Clone: 242436C4) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98304-3-RR against Human HER2/ErB2 were performed. The affinity constant is 3.53 nM.