

For Research Use Only

Anti-Human HER2/ErbB2 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98304-3-PBS



Basic Information

Catalog Number:

98304-3-PBS

Size:

1mg, 3 mg/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

Applications

Tested Applications:

FC

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS only, pH7.3

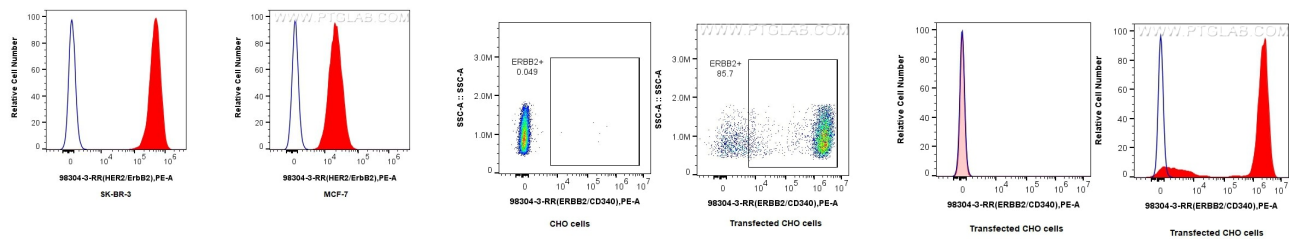
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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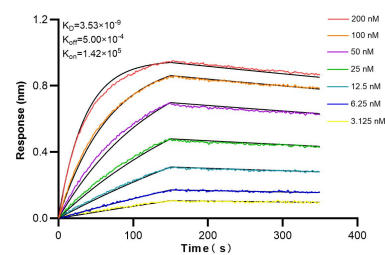
Selected Validation Data



1x10⁶ SK-BR-3 cells (left) or MCF-7 cells (right) were surface stained with 0.25 ug Anti-Human HER2/ErbB2 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. This data was developed using the same antibody clone with 98304-3-PBS in a different storage buffer formulation.

1x10⁶ CHO cells or HER2/ErbB2-transfected CHO cells were surface stained with 0.25 ug Anti-Human HER2/ErbB2 Rabbit RecAb (98304-3-RR, Clone: 242436C4) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98304-3-PBS in a different storage buffer formulation.

1x10⁶ CHO cells or HER2/ErbB2-transfected CHO cells were surface stained with 0.25 ug Anti-Human HER2/ErbB2 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. This data was developed using the same antibody clone with 98304-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98304-3-RR against Human HER2/ErbB2 were performed. The affinity constant is 3.53 nM.