

For Research Use Only

# Anti-Mouse HER2/ErbB2 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98153-1-PBS



## Basic Information

Catalog Number:

98153-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_001003817.1

GeneID (NCBI):

13866

UNIPROT ID:

P70424

Full Name:

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

Calculated MW:

139 kDa

Purification Method:

Protein A purification

CloneNo.:

241366E6

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## 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

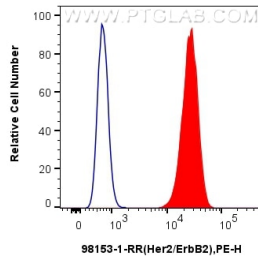
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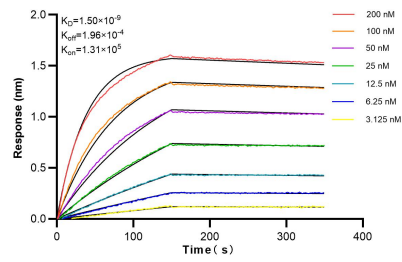
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## Selected Validation Data



$1 \times 10^6$  NIH/3T3 cells were surface stained with 0.25  $\mu$ g Anti-Mouse HER2/ErbB2 Rabbit Recombinant Antibody (98153-1-RR, Clone: 241366E6) (red) or Isotype Control (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98153-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98153-1-RR against Mouse HER2/ErbB2 were performed. The affinity constant is 1.50 nM.