

# ABflo® 610 Rabbit anti-Human HER2/ErbB2 mAb

Catalog No.: A26812

## Basic Information

### Observed MW

### Calculated MW

138kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC5137

### Conjugate

ABflo® 610. Ex:421nm. Em:612nm.

## Recommended Dilutions

FC 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Background

This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own 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 signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized.

## Immunogen Information

### Gene ID

2064

### Swiss Prot

P04626

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

NEU; NGL; HER2; TKR1; CD340; HER-2; VSCN2; MLN 19; MLN-19; c-ERB2; c-ERB-2; HER-2/neu; p185(erbB2)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

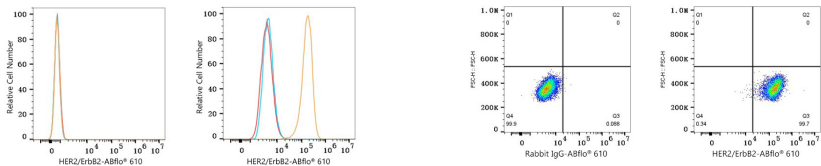
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

# Validation Data



Flow cytometry: 1X10<sup>6</sup> HL-60 cells (negative control, left) and SK-BR-3 cells (right) were surface-stained with ABflo® 610 Rabbit anti-Human HER2/ErbB2 mAb (A26812, 5 µl/Test, orange line) or ABflo® 610 Rabbit IgG isotype control (A25826, 5 µl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10<sup>6</sup> SK-BR-3 cells were surface-stained with ABflo® 610 Rabbit IgG isotype control (A25826, 5 µl/Test, left) or ABflo® 610 Rabbit anti-Human HER2/ErbB2 mAb (A26812, 5 µl/Test, right).