Data Sheet (Cat.No.TMAY-00038)

TargetMol

Anti-Her2/ERBB2 Antibody (1G715)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1G715
Purification:	Protein A

Applications

Verified Activity:	Anti-ERBB2 mouse monoclonal antibody at 1:500 dilution. -Lane A: SK-BR-3 Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary -Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution. -Developed using the ECL technique. -Performed under reducing conditions. -Predicted band size:138 kDa
Application:	WB
Recommended	WB: 1:500-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Her2/ERBB2 Protein (TMPY-04538)
Antigen Species:	Human
Synonyms:	erb-b2 receptor tyrosine kinase 2;EGFR2
Biology Area:	Cancer Drug Targets, Receptor Tyrosine Kinases (RTKs)

Research Background

Human epidermal growth factor receptor 2 (HER2), also known as ErbB2, NEU, and CD340, is a type I membrane glycoprotein and belongs to the epidermal growth factor (EGF) receptor family. HER2 protein cannot bind growth factors due to the lacking of ligand binding domain of its own and autoinhibited constitutively. However, HER2 forms a heterodimer with other ligand-bound EGF receptor family members, therefore stabilizes ligand binding and enhances kinase-mediated activation of downstream molecules. HER2 plays a key role in development, cell proliferation and differentiation. HER2 gene has been reported to associate with malignancy and a poor prognosis in numerous carcinomas, including breast, prostate, ovarian, lung cancers and so on.Cancer ImmunotherapyImmune CheckpointImmunotherapyTargeted Therapy

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