

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-ErbB2/HER2 (Y1221/Y1222) Peptide

Cat No.: BS4088P

#### Background

The EGF receptor family comprises several related receptor tyrosine kinases that are frequently overexpressed in a variety of carcinomas. Members of this receptor family include EGFR (HER1), Neu (ErbB-2, HER2), ErbB-3 (HER3), and ErbB-4 (HER4), which form either homodimers or heterodimers upon ligand binding. Neu, a glycoprotein, undergoes transactivation upon hetero-dimerization with other EGF receptor family members. Neu heterodimerization with ErbB-3 recruits heregulin, which induces phosphoinositide (PI) 3-kinase activation. Activation of Neu potentiates tumor cell motility and protease secretion and invasion, and also modulates cell cycle checkpoint function, DNA repair and apoptotic responses.

#### Swiss-Prot

P04626

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS4088 p-ErbB2/HER2 (Y1221/Y1222) pAb.

#### Purification & Purity

Synthetic peptide p-ErbB2/HER2 (Y1221/Y1222). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.

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