

Anti-HER2 Humanized Antibody

CATALOG NO:	A1046-100 100 µg
ALTERNATE NAMES:	Neu, Ngl, Erbb2, Tkr1, Cd340, Her-2, Mln 19, HER-2/neu, RHUMAB HER2, 4D5V8, ABP 980, ABP-980, DMB-3111, EG-12014, EG12014, R-597, SB-3, SYD-977, SYD977
AMOUNT:	100 µg
IMMUNOGEN:	Extracellular domain of human epidermal growth factor receptor 2 (HER2)
HOST/ISOTYPE:	Human IgG1 κ
CLONALITY:	Monoclonal
SOURCE:	CHO cells
ENDOTOXIN LEVELS:	< 0.05 EU/ml
PURIFICATION:	IgG purified from CHO culture supernatant by protein A chromatography
SPECIES REACTIVITY:	Human
FORM:	Liquid
FORMULATION:	Supplied in phosphate buffered saline, pH 7.4
STORAGE CONDITIONS:	Store the product at -20°C. Product is stable for about 6 weeks at 2-8°C as an undiluted liquid. Prepare working dilution prior to use. Avoid repeated freezing and thawing
SPECIFICITY:	The research-grade biosimilar is a humanized IgG1 kappa monoclonal antibody that selectively binds with high affinity to the extracellular domain of the human epidermal growth factor receptor 2 protein, HER2. The biosimilar antibody is produced by recombinant DNA technology in a mammalian cell (Chinese Hamster Ovary) culture containing the antibiotic gentamicin. Gentamicin is not detectable in the final product.
DESCRIPTION:	The research-grade biosimilar antibody is a recombinant humanized monoclonal immunoglobulin G1 kappa antibody that binds with high affinity and specificity to the extracellular domain of the HER2 receptor. A growth factor receptor gene, human epidermal growth factor receptor (HER2), is amplified in 25 to 30 % of breast cancers and in these cases the encoded protein is present in abnormally high levels in the malignant cells. The original drug is used to treat adjuvant and metastatic breast cancer as well as metastatic gastric cancer.
APPLICATION:	Neutralization: 0.1-20 µg/ml, ELISA: 2 µg/ml

RELATED PRODUCTS:

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

- Anti-VEGF (Bevacizumab), Humanized Antibody (**Cat. No. A1045-100**)
- Anti-EGFR (Cetuximab), chimeric antibody (**Cat. No. A1047-100**)
- Anti-TNF-α (Adalimumab), humanized antibody (**Cat. No. A1048-100**)
- Anti-CD20 (Rituximab), chimeric antibody (**Cat. No. A1049-100**)
- Anti-EGFR (Panitumumab), humanized antibody (**Cat. No. A1050-100**)
- Human CellExp™ ErbB2 / HER2 / CD340, human recombinant (**Cat. No. 7397-10**)
- HER2, Active, Human Recombinant (**Cat. No. 8011-5**)
- HER2, Active (**Cat. No. 7762-5**)
- HER2/ErbB2 Antibody (**Cat. No. 3783-100**)

FOR RESEARCH USE ONLY! Not to be used on humans.