

Trastuzumab Biosimilar - Research Grade

Bulk Trastuzumab Biosimilar - Research Grade

Product Specific Citations:

Pougoue Ketchemen et al. Effectiveness of [⁶⁷Cu]Cu-trastuzumab as a theranostic against HER2-positive breast cancer. Eur J Nucl Med Mol Imaging (2024).

Product Benefits:

ichorbio's Trastuzumab Biosimilar - Research Grade is manufactured in a cGMP compliant facility. ichorbio: the best antibodies for *in vivo* research.

Size:

ichorbio's research grade trastuzumab biosimilar is available in the following sizes: 5mg, 10mg, 20mg, 50mg, 100mg ichorbio regularly manufactures bulk multi-gram amounts of our trastuzumab biosimilar - please contact us for pricing.

Target:

ErbB2

Clone:

n/a

Isotype:

IgG1 kappa

Other Names:

Receptor tyrosine-protein kinase erbB-2, MLN 19, HER2, HER2/neu

Host:

Humanized

Species Reactivity:

Human

Specificity:

Detects human ErbB2.

Purification Method:

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Background:

Trastuzumab 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. Trastuzumab is produced by recombinant DNA technology in a mammalian cell (Chinese Hamster Ovary).

Concentration:

1.0 - 5.0 mg/ml

Formulation:

Sterile, clear and colorless liquid with a pH of about 6.0, containing trehalose dihydrate, histidine monohydrate hydrochloride, histidine, polysorbate 20, without preservatives. pH 6.0. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

Endotoxin:

? 0.75 EU/mg as determined by the LAL method

Storage:

Trastuzumab Biosimilar - Research Grade is stable for at least four (4) weeks when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.

Applications:

Functional Assays

Application Notes:

Each investigator should determine their own optimal working dilution for specific applications.

Use: ichorbio's trastuzumab biosimilar is for research use only (RUO). **Isotype Control:**

[Bulk Human IgG1 Isotype Control \(IB1\) \[ICH2254\]](#)