

Matuzumab Biosimilar - Research Grade

Product Code: ICH4007

Bulk Matuzumab Biosimilar - Research Grade

Product Specific Citations:

[Simultaneous Imaging and Therapy Using Epitope-Specific Anti-Epidermal Growth Factor Receptor \(EGFR\) Antibody Conjugates](#)

Tikum et al. Simultaneous Imaging and Therapy Using Epitope-Specific Anti-Epidermal Growth Factor Receptor (EGFR) Antibody Conjugates. *Pharmaceutics* (2022).

Product Benefits:

ichorbio's matuzumab Biosimilar - Research Grade is manufactured in a cGMP compliant facility.

Size:

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

Target:

EGFR

Clone:

n/a

Isotype:

IgG1 kappa

Other Names:**Host:**

Humanized

Species Reactivity:

Human

Specificity:

Detects human EGFR.

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:

Matuzumab biosimilar is a humanized IgG1 monoclonal antibody against human EGFR. As it only has approximately 10% murine origin it has limited immunogenicity, and being IgG1 it is capable of inducing antibody dependent cell cytotoxicity (ADCC). Matuzumab biosimilar is produced in mammalian (Chinese hamster ovary) cell culture.

Concentration:

1.0 - 5.0 mg/ml

Formulation:

Sterile, clear, colorless, preservative-free solution with a pH of about 7.2, containing dihydrate Disodium hydrogen phosphate, sodium dihydrogen phosphate monohydrate, polysorbate 80, and sucrose.

Purity:

>95% by SDS-PAGE and HPLC

**Endotoxin:**

≤ 0.75 EU/mg as determined by the LAL method

Storage:

Matuzumab 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 matuzumab biosimilar is for research use only. **Isotype Control:**

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