

# Bimagrumab Biosimilar - Research Grade

**Product Code:** ICH5402

**More Information**

**Species Reactivity:** Human

**Target:** ACVR2B $\frac{1}{2}$

**Concentration:** 5mg/ml

**Isotype:** IgG1 - lambda2

**Host:** CHO Cells

**product name H2:** Bimagrumab Biosimilar - Research Grade

**Sequence:** <https://www.imgt.org/mAb-DB/>

**Buffer:** ICH3002

**UniProt:** Q13705

**Shipping Conditions:** Blue ice

**background:** Activin receptor type-2B (ACVR2B) transmits signals from myostatin and activins to regulate muscle mass and tissue homeostasis, a focus of muscle-biology and metabolic research. Provided as an unconjugated, non-therapeutic analog of bimagrumab, this human IgG1-lambda recombinant antibody is intended for research use only (RUO). It is supplied with low endotoxin to in vivo standards and manufactured in scalable milligram-to-gram quantities for heavy-usage, high-throughput laboratories. The antibody supports functional and receptor-blockade assays, myostatin-signaling studies, in vitro screening and preclinical muscle-wasting models examining ACVR2B activity. Manufactured in scalable milligram-to-gram quantities with low endotoxin, it delivers the lot-to-lot reproducibility that heavy-usage laboratories rely on.

**Purification Method:** This monoclonal antibody was purified using Protein A

**Formulation:** Sterile, preservative-free, solution in PBS. BSA and Azide free.



**Purity:** >90% by SDS-PAGE

**Endotoxin:**  $\leq 1.0$  EU/mg as determined by the LAL method

**Storage:** This biosimilar is stable when stored at 2-8°C. For longer term storage (> 3 months) it is recommended to store this antibody at -20°C or -70°C.

**Applications:** Functional Assays

**Application Notes:** This biosimilar is for research use only (RUO): it is not for diagnostic or therapeutic procedures and cannot be purchased by patients.

**Use:** Products are for research use only. Not for use in diagnostic or therapeutic procedures.