

# Volagidemab Biosimilar - Research Grade

**Product Code:** ICH5987

**More Information**

**Species Reactivity:** Human

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

**Concentration:** 5mg/ml

**Isotype:** IgG2 - kappa

**Host:** CHO Cells

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

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

**Buffer:** ICH3002

**UniProt:** P47871

**Shipping Conditions:** Blue ice

**background:** The glucagon receptor (GCGR) governs hepatic glucose output and is a key target in diabetes and metabolic disease research. Provided as an unconjugated, non-therapeutic analog of volagidemab, this recombinant human IgG2 antibody binds GCGR and is supplied for research use only (RUO). It is formulated to a low-endotoxin specification suitable for in vivo studies and produced in scalable milligram to gram quantities for high-throughput and heavy-usage laboratories. Researchers use it in receptor-blocking and binding assays, in vitro glucagon-signaling screens, control applications, and preclinical metabolic models examining glucose regulation.

**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.

**Delivery Time:** 3-4 weeks