

# Orilanolimab Biosimilar - Research Grade

**Product Code:** ICH5744

**More Information**

**Species Reactivity:** Human

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

**Concentration:** 5mg/ml

**Isotype:** IgG4 - kappa

**Host:** CHO Cells

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

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

**Buffer:** ICH3002

**UniProt:** P55899

**Shipping Conditions:** Blue ice

**background:** FCGRT (FcRn) is the neonatal Fc receptor that controls IgG and albumin recycling, central to antibody-half-life and autoimmunity research. This human IgG4 kappa antibody is an unconjugated, non-therapeutic analog of orilanolimab, expressed in CHO cells against human FCGRT. For research use only, it is purified to low endotoxin for in vivo suitability and supplied in scalable milligram (mg) to gram (g) quantities for high-throughput laboratories. It supports FcRn-blockade assays, IgG-recycling studies, functional characterization, and preclinical models of antibody-mediated autoimmune disease. Tight quality control makes it a steady reagent for high-throughput pipelines.

**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