

# Insulin Biosimilar - Research Grade

**Product Code:** ICH5607

**More Information**

**Species Reactivity:** Human

**Target:** INSR $\alpha$

**Concentration:** 5mg/ml

**Host:** CHO Cells

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

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

**Buffer:** ICH3002

**UniProt:** P06213

**Shipping Conditions:** Blue ice

**background:** Signaling through the insulin receptor (INSR) coordinates glucose uptake and metabolic homeostasis, anchoring a vast body of endocrine and diabetes research. This research-grade reagent is an unconjugated, non-therapeutic analog of insulin engaging the human receptor and is offered exclusively for research use only (RUO). It is supplied in a low-endotoxin format compatible with in vivo metabolic studies and is produced across milligram to gram scales to serve heavy-usage and high-throughput workflows. Investigators use it in receptor-binding and signaling assays, in vitro screening, and preclinical metabolic disease models, where it acts as a reliable, non-therapeutic reference reagent during functional and comparative experiments.

**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