

# Zalifrelimab Biosimilar - Research Grade

**Product Code:** ICH5998

**More Information**

**Species Reactivity:** Human

**Target:** CTLA4 $\alpha$ 1/2

**Concentration:** 5mg/ml

**Isotype:** IgG1 - kappa

**Host:** CHO Cells

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

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

**Buffer:** ICH3002

**UniProt:** P09793;P16410

**Shipping Conditions:** Blue ice

**background:** CTLA-4 is a co-inhibitory immune checkpoint that restrains T-cell priming and remains a primary target in cancer immunotherapy research. This recombinant human IgG1 antibody is an unconjugated, non-therapeutic analog of zalifrelimab directed against CTLA-4 and is supplied for research use only (RUO). It is purified to a low-endotoxin standard suitable for in vivo studies and produced in scalable milligram to gram quantities for high-throughput and heavy-usage laboratories. Investigators apply it as a checkpoint-blockade control and functional reagent across in vitro T-cell activation assays, ADCC studies, and preclinical tumor immunotherapy models.

**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

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**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