

# Placulumab Biosimilar - Research Grade

**Product Code:** ICH5776

**More Information**

**Species Reactivity:** Human

**Target:** TNF $\alpha$

**Concentration:** 5mg/ml

**Isotype:** [V-kappa]2 - Fc

**Host:** CHO Cells

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

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

**Buffer:** ICH3002

**UniProt:** P01375

**Shipping Conditions:** Blue ice

**background:** Among the dominant pro-inflammatory cytokines, tumor necrosis factor (TNF) remains a long-validated target in autoimmune research. This research-grade reagent is a non-therapeutic analog of placulumab, a TNF-binding domain-antibody-Fc fusion expressed in CHO cells against human TNF. For research use only, it is purified to low endotoxin for in vivo compatibility and manufactured in scalable milligram (mg) to gram (g) quantities for high-throughput laboratories. The compact domain-Fc format makes it useful for cytokine-neutralization assays, functional signaling studies, and preclinical models of TNF-driven inflammation. Its dependable specifications streamline reagent management in large studies.

**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