

# Serplulimab Biosimilar - Research Grade

**Product Code:** ICH5855

**More Information**

**Species Reactivity:** Human

**Target:** PD-1

**Concentration:** >1mg/ml

**Isotype:** IgG4 - kappa

**Host:** CHO Cells

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

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

**Buffer:** ICH3002

**UniProt:** Q15116

**Shipping Conditions:** Blue ice

**background:** PD-1 functions as a brake on T-cell responses, and its blockade is a defining strategy in tumor-immunology research. The product here is an unconjugated, non-therapeutic analog of serplulimab, a recombinant anti-PD-1 monoclonal antibody for research use only. It is manufactured to in vivo standards with low endotoxin and provided in scalable milligram to gram quantities to sustain bulk and high-throughput work. It is used as a control and active reagent in checkpoint-blockade functional assays, in vitro T-cell co-culture screening, and in vivo immune-modulation models. Uniform, reproducible material supports robust experimental design at research scale.

**Purification Method:** This monoclonal antibody was purified using Protein A

**Formulation:** Sterile, preservative-free, solution in PBS. BSA and Azide free.

**Purity:** >95% 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.