

# Ruplizumab Biosimilar - Research Grade

**Product Code:** ICH5841

**More Information**

**Species Reactivity:** Human

**Target:** CD40LG $\frac{1}{2}$

**Concentration:** 5mg/ml

**Isotype:** IgG1 - kappa

**Host:** CHO Cells

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

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

**Buffer:** ICH3002

**UniProt:** P29965

**Shipping Conditions:** Blue ice

**background:** CD40 ligand (CD40LG, CD154) is a costimulatory molecule expressed by activated T cells that drives B-cell help, germinal-center reactions, and immune activation. The reagent here is an unconjugated, non-therapeutic analog of ruplizumab, a recombinant monoclonal antibody against CD40L for research use only. It is manufactured to in vivo standards with low endotoxin and offered in scalable milligram to gram quantities to meet the needs of heavy-usage programs. Researchers use it in costimulation-blockade functional assays, in vitro B-cell activation screens, and in vivo models of immune tolerance and transplantation. Uniform, reproducible material supports robust experimental design at research scale.

**Other names:** CD40LG, CD154, CD40L, HIGM1, IGM, IMD3, T-BAM, TNFSF5, TRAP, gp39, hCD40L, CD40 ligand

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

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**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