

# Empasiprubart Biosimilar - Research Grade

**Product Code:** ICH5521

**More Information**

**Species Reactivity:** Human

**Target:** C2i<sup>1/2</sup>

**Concentration:** 5mg/ml

**Isotype:** IgG1 - kappa

**Host:** CHO Cells

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

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

**Buffer:** ICH3002

**UniProt:** P06681

**Shipping Conditions:** Blue ice

**background:** Complement component C2 sits at the convergence of the classical and lectin pathways, governing C3 convertase assembly and downstream complement activation. Targeting C2, this research-grade anti-human recombinant monoclonal antibody is an unconjugated, non-therapeutic analog of empasiprubart provided for research use only (RUO). It is manufactured to stringent in vivo standards as an ultra-pure, low-endotoxin formulation and delivered in scalable milligram (mg) to gram (g) quantities to meet the demands of heavy-usage, high-throughput laboratories. The antibody suits complement-pathway neutralization and blocking assays, in vitro mechanistic studies, in vivo models of complement-mediated disease, and biologics characterization.

**Other names:** Complement C2



**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