

# Ligufalimab Biosimilar - Research Grade

**Product Code:** ICH5252

**More Information**

**Species Reactivity:** Human

**Target:** CD47

**Concentration:** 5mg/ml

**Isotype:** Human IgG4 - kappa

**Host:** CHO Cells

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

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

**Buffer:** ICH2877

**UniProt:** Q08722;Q08722;Q61735;P97829;Q08722;Q61735;P97829;;Q61735

**Shipping Conditions:** Blue ice

**background:** By engaging SIRP $\alpha$  to inhibit macrophage clearance of cells, CD47 has become a heavily investigated innate-checkpoint target in cancer research. This recombinant anti-human CD47 monoclonal is an unconjugated, non-therapeutic analog of ligufalimab, supplied for research use only (RUO). It is manufactured to in vivo standards with low endotoxin and produced in scalable milligram (mg) to gram (g) quantities for bulk and high-throughput laboratories. Use it in functional assays, phagocytosis-induction and binding studies, reproducible controls, and in vivo tumour models, relying on consistent lot-to-lot behaviour for large experimental campaigns.

**Other names:** CD47, IAP, MER6, OA3, CD47 molecule, integrin associated protein

**Specificity:** Detects human CD47

**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

**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:** 4 weeks