

# Orticumab Biosimilar - Research Grade

**Product Code:** ICH5746

**More Information**

**Species Reactivity:** Human

**Target:** oxLDL

**Concentration:** 5mg/ml

**Isotype:** IgG1 - lambda2

**Host:** CHO Cells

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

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

**Buffer:** ICH3002

**Shipping Conditions:** Blue ice

**background:** Oxidized LDL (oxLDL) is a pro-atherogenic lipoprotein species central to vascular-inflammation and atherosclerosis research. This research-grade human IgG1 (lambda) antibody is an unconjugated, non-therapeutic analog of orticumab, expressed in CHO cells against oxLDL. For research use only, it is formulated to low endotoxin for in vivo compatibility and offered in scalable milligram (mg) to gram (g) quantities for bulk and high-throughput laboratories. It is suited to oxLDL-binding and neutralization assays, macrophage-uptake studies, functional readouts, and preclinical models of atherosclerosis. Consistent lot-to-lot performance makes it dependable for repeated, large-scale experimentation.

**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