

# Mepolizumab Biosimilar - Research Grade

**Product Code:** ICH5677

**More Information**

**Species Reactivity:** Human

**Target:** IL5 $\alpha$

**Concentration:** 5mg/ml

**Isotype:** IgG1 - kappa

**Host:** CHO Cells

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

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

**Buffer:** ICH3002

**UniProt:** P05113

**Shipping Conditions:** Blue ice

**background:** Interleukin-5 is the principal cytokine controlling eosinophil maturation and survival, making it a longstanding target in asthma and eosinophilic-disease research. This anti-human IL5 recombinant monoclonal antibody (IgG1, kappa) is an unconjugated, non-therapeutic analog of mepolizumab provided for research use only (RUO). It is formulated to a low-endotoxin standard appropriate for in vivo studies and manufactured at scalable milligram-to-gram quantities so bulk and high-throughput laboratories never face shortages. The reagent serves effectively as a neutralizing control and active tool in cytokine-blockade assays, in vitro eosinophil and binding screening, and preclinical in vivo models of allergic and eosinophilic inflammation.

**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