

# Muzastotug Biosimilar - Research Grade

**Product Code:** ICH5696

**More Information**

**Species Reactivity:** Human

**Target:** CTLA4 $\frac{1}{2}$

**Concentration:** 5mg/ml

**Isotype:** IgG1 - kappa

**Host:** CHO Cells

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

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

**Buffer:** ICH3002

**UniProt:** P09793;P16410

**Shipping Conditions:** Blue ice

**background:** Cytotoxic T-lymphocyte antigen 4 (CTLA-4) is a central inhibitory checkpoint that restrains T-cell activation, and its modulation underpins a major branch of cancer immunotherapy research. Presented as an unconjugated, non-therapeutic analog of muzastotug, this recombinant human IgG1 kappa antibody targets CTLA-4 and is intended for research use only (RUO). Low endotoxin levels allow confident in vivo deployment, and production in scalable milligram (mg) to gram (g) quantities supports heavy-usage and high-throughput programs. The reagent is used as a checkpoint-blockade control and active tool across in vitro screening, immune functional assays, preclinical immuno-oncology models, and biologics characterization.

**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