

Human IgG1 Isotype Control LALAPG - Extremely Low Endotoxin

Product Code: ICH2254ELLALAPG

More Information

Concentration: 1.0 - 5.0 mg/ml

Isotype: Human IgG1

Host: CHO

product name H2: Human IgG1 Isotype Control LALAPG - Extremely Low Endotoxin

Aggregation: Aggregation level \leq 5%

Buffer: ICH3002

Shipping Conditions: Blue ice

background: Engineered with LALAPG Fc-silencing mutations and supplied in an extremely low-endotoxin format, this human IgG1 isotype control offers an effector-null, non-binding reference for human IgG1 experiments where Fc-mediated activity must be eliminated. It is validated for flow cytometry and functional assays, serving as a background, gating, and negative-control reagent. The antibody is suitable for in vivo use and produced in scalable milligram to gram quantities for bulk and high-throughput laboratories. As a non-therapeutic, research-use-only reagent, it provides reproducible, lot-consistent control performance for Fc-effector-independent studies and antibody-engineering pipelines.

Purification Method: This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Formulation: This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added.

Purity: >95% by SDS-PAGE



Endotoxin: 0.05 EU/mg as determined by the LAL method

Storage: This antibody is stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.

Applications: Flow Cytometry, Functional Assays

Application Notes: Each investigator should determine their own optimal working dilution for specific applications.

Use: Products are for research use only. Not for use in diagnostic or therapeutic procedures.