

Bulk Human IgG4 (IB4) Isotype Control S228P - Extremely Low Endotoxin

Product Code: ICH2257ELS228P-5mg

More Information

Endotoxin: Extremely Low Endotoxin

Species Reactivity: Human

Target: IgG4

Concentration: 5mg/ml

Isotype: Human IgG4 S228P Kappa

Host: CHO

Size: 5mg

product name H2: Bulk Human IgG4 (IB4) Isotype Control S228P - Extremely Low Endotoxin

Aggregation: Aggregation level $\leq$ 5%

Immunogen: Hen Egg Lysozyme (HEL)

Buffer: ICH3001-100ml ICH3002-100ml ICH3003-100ml

UniProt: P01861

Shipping Conditions: Blue ice

background: Clone IB4 with the S228P hinge stabilisation is a human IgG4 isotype control supplied at extremely low endotoxin levels, making it a clean negative control for sensitive in vivo and functional immunology work. The S228P change prevents IgG4 Fab-arm exchange, while the absence of relevant specificity lets IB4 establish the background and gating reference that distinguishes genuine binding from scaffold signal in flow cytometry

and functional assays. Control clone IB4 S228P is produced in scalable milligram to gram quantities and formulated for in vivo use. It is a research-use-only, non-therapeutic reagent suited to bulk and high-throughput laboratories.

clone: IB4

Specificity: This Human IgG4 isotype control recombinant antibody has been tested against selected species' cells and tissues to assure minimal cross reactivity. Furthermore, this low endotoxin Human IgG4 antibody is suitable for in vivo applications and each lot is IMPACT I certified.

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: 1.0 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.