

Human IgG4 Isotype Control S228P/D265A/L309V/R409K

Product Code: ICH2257SPDALVRK

More Information

Target: Hen Egg Lysozyme

Concentration: 5mg/ml

Isotype: Human IgG4 (S228P/D265A/L309V/R409K)-kappa

Host: CHO Cells

product name H2: Human IgG4 Isotype Control S228P/D265A/L309V/R409K

Buffer: ICH3002

Shipping Conditions: Blue ice

background: This human IgG4 isotype control combines S228P hinge stabilisation with the D265A, L309V and R409K substitutions, providing a heavily engineered, effector-attenuated negative reference. Carrying no relevant mammalian specificity, it establishes the background and gating baseline needed to attribute measured activity to genuine target engagement rather than the IgG4 scaffold in flow cytometry and functional assays. The control is supplied low in endotoxin and suitable for in vivo use, and it is produced in scalable milligram to gram quantities for bulk and high-throughput research programmes. It is a non-therapeutic reagent provided for research use only.

Specificity: Human IgG4 with a S228P/D265A/L309V/R409K mutation

Purification Method: This monoclonal antibody was purified using Protein A

Fc Modification: S228P, D265A

Formulation: Sterile, preservative-free, solution in PBS. BSA and Azide free.

Purity: >95% by SDS-PAGE

Endotoxin: ≤ 1.0 EU/mg as determined by the LAL method

Storage: This antibody 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

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

FAQ (Q&A):

Q: What is this Human IgG4 S228P/D265A/L309V/R409K isotype control used for?

A: It is a non-targeting Human IgG4 antibody against Hen Egg Lysozyme, an irrelevant antigen, used as an isotype-matched negative control for background and Fc effects; for research use only (RUO).

Q: Is the Human IgG4 isotype control suitable for in vivo studies?

A: Yes, it is supplied in a low-endotoxin, in vivo-grade format suitable for in vivo control arms and in vitro work.

Q: Can this isotype control be ordered in bulk?

A: Yes, it is manufactured in scalable milligram to gram quantities to support high-throughput and bulk experiments.