

# Human IgG4 Isotype Control SPLE

**Product Code:** ICH2257SPLE

**More Information**

**Target:** Hen Egg Lysozyme

**Concentration:** 5mg/ml

**Isotype:** Human IgG4 (S228P/L235E)-Kappa

**Host:** CHO Cells

**product name H2:** Human IgG4 Isotype Control SPLE

**Buffer:** ICH3002

**Shipping Conditions:** Blue ice

**background:** This human IgG4 isotype control in the SPLE configuration (S228P/L235E) combines hinge stabilisation with reduced Fc effector activity, offering a clean subclass-matched negative reference. Lacking any relevant mammalian target, it sets the background and gating thresholds needed to separate true antigen engagement from scaffold-driven signal in flow cytometry and functional assays. The control is supplied with low endotoxin and validated for in vivo use, and it is produced in scalable milligram to gram quantities to support bulk and high-throughput research workflows. This is a non-therapeutic reagent provided for research use only.

**Specificity:** Human IgG4 with a SPLE mutation

**Purification Method:** This monoclonal antibody was purified using Protein A

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

**Purity:** >95% by SDS-PAGE

**Endotoxin:**  $\leq 1.0$  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.