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Recombinant Mouse IgG2C Protein

Catalog No.: RPT0024 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse		A0A0A6YY53

Tags
N-His

Synonyms
Immunoglobulin heavy constant gamma 2C ;Ighg2c

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
27.23 kDa	30-35 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Mouse IgG2c is a subclass of mouse antibody IgG, it can bind FcγRIV with high affinity and the Fc loop residues of mouse IgG2c promote greater receptor-binding affinity than mouse IgG2b or human IgG1.

Basic Information

Description
Recombinant Recombinant Mouse IgG2C Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu98-Lys335) of Mouse IgG2C fused with His tag at the N-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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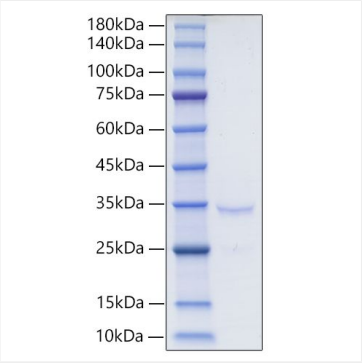
Validation Data



Recombinant Mouse IgG2C Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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