

Recombinant Mouse IgG2B Protein

Catalog No.: RPT0025 **Recombinant**

Sequence Information

Species Mouse **Gene ID** **Swiss Prot** P01867-2

Tags

N-His

Synonyms

Ighg2b;Igh-3;lg gamma-2B chain C region ;Immunoglobulin heavy constant gamma 2B

Product Information

Source HEK293 cells **Purification** > 90% by SDS-PAGE.

Calculated MW **Observed MW**

Endotoxin

< 0.01EU/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 stabilizer (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

IgG2b, Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. May bind activin as well.

Basic Information

Description

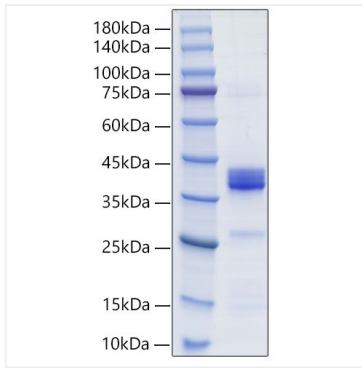
Recombinant Mouse IgG2B Protein Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu97-Lys335) of Mouse IgG2b (Accession #P01867-2) fused with a His tag at the N-terminus.

Bio-Activity

Storage

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

Validation Data



Recombinant Mouse IgG2b Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-45 kDa.