

RPT0005

Leader in Biomolecular Solutions for Life Science



Recombinant Human IgG2 Protein

Catalog No.: RPT0005

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3501	P01859

Tags

NO-tag

Synonyms

IGHG2;Immunoglobulin heavy constant gamma 2;IgG2

Product Information

Source

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.

Purification

≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of

Background

Constant region of immunoglobulin heavy chains. Immunoglobulins, also known as antibodies, are membrane-bound or secreted glycoproteins produced by B lymphocytes. In the recognition phase of humoral immunity, the membrane-bound immunoglobulins serve as receptors which, upon binding of a specific antigen, trigger the clonal expansion and differentiation of B lymphocytes into immunoglobulins-secreting plasma cells. Secreted immunoglobulins mediate the effector phase of humoral immunity, which results in the elimination of bound antigens

Basic Information

Description

Recombinant Human IgG2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu99-Lys326) of human IgG2A (Accession # P01859) fused with no tag.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human CD32a (Catalog: RP00081) at 2 μg/mL (100 μL/well) can bind Human IgG2 (Catalog: RPT0005) with a linear range of 1.2-338 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

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

Storage

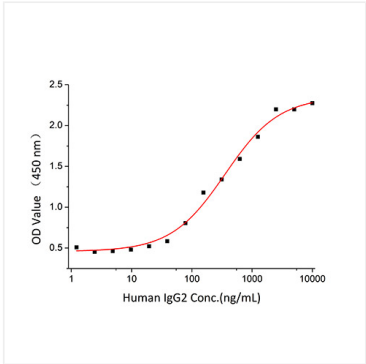
Store at -20°C. Avoid repeated freeze/thaw cycles.

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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.

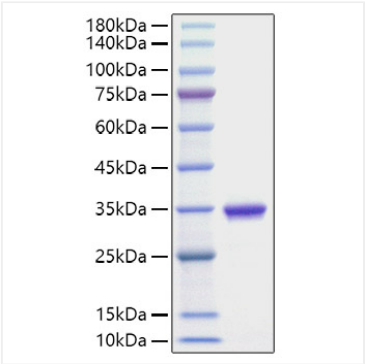
Contact



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Immobilized Human CD32a (Catalog: RP00081) at 2 μ g/mL (100 μ L/well) can bind Human IgG2 (Catalog: RPT0005) with a linear range of 1.2-338 ng/mL.



Recombinant Human IgG2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.