

Recombinant Human IgG2 Protein

Catalog No.: RPT0005

Sequence Information

Species **Gene ID**
Human 3501

Swiss Prot **Tags**
P01859 NO-tag

Synonyms

IGHG2;Immunoglobulin heavy
constant gamma 2;IgG2

Product Information

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

Calculated MW **Observed MW**
25.72 kDa 30-35 kDa

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
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.

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.

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.

Storage

Store at -20°C

Operational Notes

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

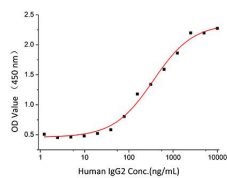
Contact

☎ | 400-999-6126

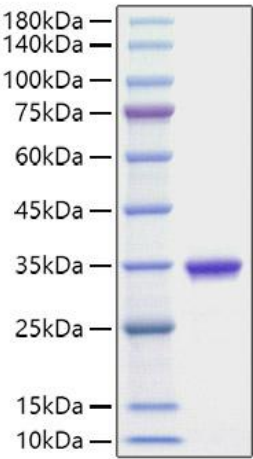
✉ | cn.market@abclonal.com.cn

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Validation Data



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.