Recombinant Human IgG2 Protein

Catalog No.: RPT0005

Sequence Information

Species
Human

Gene ID
3501

Swiss Prot
P01859

Tags
NO-tag

Synonyms
IGHG2;Immunoglobulin heavy constant gamma 2;IgG2

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
25.72 kDa

Observed MW
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 stablizer (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℃

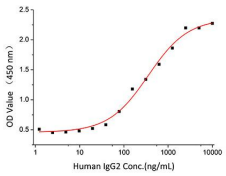
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

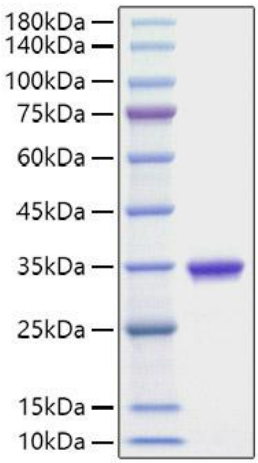
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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.



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