

32-13775: IgG Human

Format : The protein was lyophilized (0.2 Åµm filtered) from 20mM NH₄HCO₃.

Alternative Name : Ig gamma-2A chain C region, A allele, Immunoglobulin heavy chain gamma polypeptide, Ighg, Igh-1, Igh-1a, 1810060009Rik.

Description

Source:Human serum.

Physical Appearance:Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activitynull

Immunoglobulin G (IgG) are antibody molecules. Each IgG is composed of four peptide chains - 2 heavy chains g and 2 light chains. Also, each IgG has 2 antigen binding sites. IgG antibodies are involved in primarily the secondary immune response. The presence of specific IgG, generally, relates to maturation of the antibody response. IgG also has an imperative role in Antibody-dependent cell-mediated cytotoxicity (ADCC) and Intracellular antibody-mediated proteolysis, in which it binds to TRIM21 (the receptor with greatest affinity to IgG in humans) in order to direct marked virions to the proteasome in the cytosol.

Human IgG protein produced in Human plasma having a molecular mass of 150kDa.

Product Info

Amount : 5 mg / 1 mg

Purification : Greater than 96.0%.

Storage condition : IgG Human although stable at room temperature for 3 weeks, should be stored between 2-8°C.

Application Note

It is recommended to reconstitute the lyophilized IgG Human in phosphate buffer pH >7.0 containing 0.15M NaCl.