
Product Data Sheet

Product Name: IgG Human
Cat. No.: GP26298
Batch No.: 1

Product Data

Purity	>98%	Source	Human serum.
Physical Appearance	solid	Shipping Condition	atRoomtemp.
Synonyms	Ig gamma-2A chain C region, A allele, Immunoglobulin heavy chain gamma polypeptide, Ighg, Igh-1, Igh-1a, 1810060009Rik.		
Solubility	It is recommended to reconstitute the lyophilized IgG Human in phosphate buffer pH >7.0 containing 0.15M NaCl.		
Formulation	The protein was lyophilized (0.2 µm filtered) from 20mM NH ₄ HCO ₃ .		

Introduction

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.

Stability

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

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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