9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IgG Human

Immunoglobulin-G Human
NTP0039

Product Overview

Name	IgG Human

Description

Immunoglobulin-G Human

Synonyms

Ig gamma-2A chain C region, A allele, Immunoglobulin heavy chain gamma polypeptide, Ighg, Igh-1, Igh-1a, 1810060O09Rik.

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.

Source

Human serum.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized (0.2 µm filtered) from 20mM NH 4 HCO 3 .

Stability

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

Purity

Greater than 96.0%.

Solubility

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

Human Virus Test

Human Immunoglobulin-G has been tested and certified negative for antibodies to HIV-1, HIV-2, HCV and HBSAG.

Precautions

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IgG Human is for research use only and not for use in diagnostic or therapeutic procedures.