9051 Mira Mesa Blvd, #910094
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# IgG Mouse, His

*Immunoglobulin Heavy Chain Constant Region Gamma 2a Mouse Recombinant, His Tag*
*RCP1115*

## Product Overview

| | |
|---|---|
| Name | IgG Mouse, His |
| **Description** | |
| Immunoglobulin Heavy Chain Constant Region Gamma 2a Mouse Recombinant, His Tag | |
| Accession (Primary) | P01863 |
| **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** | |
| Hi-5 cells. | |
| **Physical Appearance** | |
| Sterile Filtered colorless solution. | |
| **Formulation** | |
| IgG protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol. | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. | |
| **Purity** | |
| Greater than 90.0% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| ADP EPRGPTI KPCPPCKCPA PNLLGGPSVF IFPPKIKDVL MISLSPIVTC VVVDVSEDDP DVQISWFVNN VEVHTAQTQT HREDYNSTLR VVSALPIQHQ DWMSGKEFKC KVNNKDLPAP IERTISKPKG SVRAPQVYVL | |

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PPPEEEMTKK QVTLTCMVTD FMPEDIYVEW TNNGKTELNY KNTEPVLDSD GSYFMYSKLR VEKKNWVERN SYSCSVVHEG LHNHHTTKSF SRTPGK HHHH HH .

**Precautions**

IgG Mouse, His is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P01863 )