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

IgG Mouse

Immunoglobulin Heavy Chain Constant Region Gamma 2a Mouse Recombinant RCP1114

Product Overview

Name	IgG Mouse
Description	
Immunoglobulin Heavy Chain Constant Region Gamma 2a Mouse Recombinant	
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 (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0).	
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.

Precautions

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

Target Information: (P01863)