

Native Human Immunoglobulin Heavy Constant Gamma 1 (G1m marker)

Cat. No. IGHG1-617H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human IGHG1 was expressed in Human Plasma. Purified from normal serum by immobilized Protein A. IgG is the most abundant immunoglobulin in plasma, found at a concentration of 8 to 18 mg/ml.
Species	Human
Source	Human Plasma
Description	Ig gamma-1 chain C region is a protein that in humans is encoded by the IGHG1 gene. IgG binds to bacteria and these complexes adhere to phagocytic cells which have surface receptors specific for IgG. Prepared from plasma shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests. >95 percent pure by SDS-PAGE.
Form	Liquid in 0.02M Sodium Phosphate + 0.15M NaCl, pH 7.2.
Purity	IgG fraction
Concentration	10 mg/ml
Molecular Weight	160kDa
Application Notes	The optimal concentration should be determined by the user for each specific application.

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Storage	When stored at -80°C, product is stable for 3 years from date of delivery.
OfficialSymbol	IGHG1
Pathways	Classical antibody-mediated complement activation; Complement cascade; Creation of C4 and C2 activators; IL4-mediated signaling events; Immune System; Initial triggering of complement; Innate Immune System
GENE INFORMATION	
Gene Name	IGHG1 immunoglobulin heavy constant gamma 1 (G1m marker) [Homo sapiens]
Synonyms	IGHG1; immunoglobulin heavy constant gamma 1 (G1m marker); Ig gamma-1 chain C region
Gene ID	3500
mRNA Refseq	NG_001019
MIM	147100
UniProt ID	P01857
Chromosome Location	14q32.32-q32.33
Function	antigen binding; protein binding

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