

Native Human Immunoglobulin G3 (IgG3)

Cat. No. IGHG3-231H Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	Human Plasma
Description	Like IgG1, IgG3 activates complement and has an affinity for fc receptors; thus IgG1 and IgG3 are the more effective of the IgG subclasses. An IgG3 deficiency is associated with Wiscott-Aldrich disease, systemic lupus erythematosus, juvenile diabetes mellitus, and periodontal infections. IgG anti-viral antibodies are restricted to IgG subclasses 1 and 3, with IgG3 antibodies being the first to appear in response to infection.
Form	Liquid
Molecular Mass	MW: 170,000
Purity	>=95% by SDS-PAGE.
Usage	For research use only.
Quality Control Test	Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.
Stability	>1 year
Storage	+2 to 6°C; Do NOT Freeze

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Storage Buffer 20 mM phosphate, pH 7.4, with 150 mM NaCl and 0.05% NaN₃.

GENE INFORMATION

Gene Name IGHG3 Immunoglobulin heavy constant gamma 3(G3m marker) [Homo sapiens]

Official Symbol IGHG3

Synonyms IGHG3; Immunoglobulin heavy constant gamma 3(G3m marker);

Gene ID 3502

Chromosome Location 14q32.33

Pathway Classical antibody-mediated complement activation, organism-specific biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem

Function antigen binding

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