

Native Human Immunoglobulin G3 (IgG3)

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

SPECIFICATION

Product Overview

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

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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% NaN ₃ .
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GENE INFORMATION

Gene Name	IGHG3 Immunoglobulin heavy constant gamma 3(G3m marker) [Homo sapiens]
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Official Symbol	IGHG3
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Synonyms	IGHG3; Immunoglobulin heavy constant gamma 3(G3m marker);
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Gene ID	3502
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Chromosome Location	14q32.33
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Pathway	Classical antibody-mediated complement activation, organism-specific biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem
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Function	antigen binding
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