

Human IgG3 protein Immunoglobulin | IgG3 immunoglobulin

Human IgG3 protein

CATALOG #
AAA14399

HOST
Human Plasma

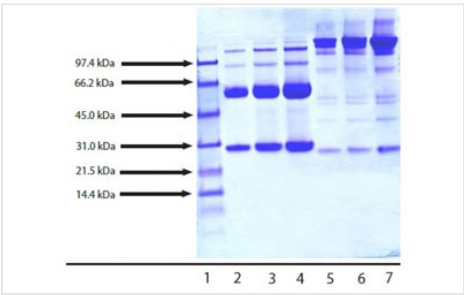
PRODUCT SYNONYMS

Human IgG3 protein; Human IgG3 Whole Molecule; Immunoglobulin G3 Protein; IgG3 immunoglobulin

PRODUCT SPECIFICATIONS

Host	Human Plasma
Purity/Purification	> 95% pure by SDS-PAGE
Form/Format	Liquid in 20mM phosphate, pH 7.4, with 150mM NaCl and 0.05% NaN ₃ .
Concentration	2.23 mg/ml (varies by lot)
Species	Human
Grade	Highly pure
Contaminants	Single arc by IEP against whole human serum and Human IgG.
Biohazard	Prepared from plasma shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1&2 by FDA required tests.
Biohazard Information	Donor samples were tested and found to be negative for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2. Nonetheless caution should be used when handling this material as there is a margin of error in all tests. This product contains sodium.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Biological Significance	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.
Preparation and Storage	Shipping: Dry Ice Upon receipt, aliquot and store at -20°C. Avoid multiple freeze-thaw cycles. Upon initial use, aliquot into single use sizes and store frozen.

IMAGES



SDS-PAGE
4-12% Bis-Tris NuPAGE gel showing the following lanes:1- MW standard;2- IgG3 (5 ug reduced/heated);3- IgG3 (10 ug reduced/heated);4- IgG3 (20 ug reduced/heated);5- IgG3 (5 ug non-reduced/no heat);6- IgG3 (10 ug non-reduced/no heat);7- IgG3 (20 ug non-reduced/no heat)

ADDITIONAL INFORMATION

Related Product Information for IgG3 immunoglobulin	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 peridontal 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.
Product Categories/Family for IgG3 immunoglobulin	Immunology; Immunoglobulins; Purified Immunoglobulins

NCBI AND UNIPROT INFORMATION

Molecular Weight	170 kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-plasma-immunoglobulin/human-igg3-protein/14399>