

Datasheet for D608-0100

Human Gamma Globulin Fraction

Overview

Description:	Human Gamma Globulin Fraction - D608-0100
Item No.:	D608-0100
Size:	100 mg
Applications:	SDS-PAGE
Origin:	Human

Product Details

Background:	Human Gamma Globulin Fraction consists of the fraction of blood serum which contains whole antibodies as well as other non-albumin plasma proteins. Gamma globulins can be utilized therapeutically to temporarily boost an patient's immunity (such as after an immunosuppressive infection) or to increase the likelihood of kidney transplant acceptance. Human Gamma Globulin Fraction can be utilized in molecular biology experiments as a control reagent.
Synonyms:	Human Plasma Gamma Globulin, Human Serum Gamma Globulin, Human Globulin Fractions, human gamma fraction
Species of Origin:	Human
Type:	Native Protein

Target Details

Purity/Specificity:	Human Gamma Globulin Fraction was prepared from normal human serum by a multi-step process which includes delipidation and salt fractionation followed by extensive dialysis against the buffer stated above. Human Gamma Globulin Fraction was assayed by immunoelectrophoresis resulted in precipitin arcs against anti-Human Serum corresponding to gamma globulins.
Relevant Links:	D608 SDS

Application Details

Tested Applications:	SDS-PAGE
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Application Note:	Human Gamma Globulin Fraction has been tested by SDS-PAGE and can be utilized in Western Blotting and ELISA experiments.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IHC:	User Optimized
WB:	User Optimized

Formulation

Physical State:	Lyophilized
Concentration:	20 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Reconstitution Volume:	5.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Human Gamma Globulin Fraction is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

No test method can provide total assurance that the hepatitis B virus, hepatitis C virus, human immunodeficiency virus, or any other infectious agents are absent. Thus, all blood products, including purified proteins derived from human blood sources, should be handled at Biosafety Level 2 as recommended by the CDC\NIH manual entitled Biosafety in Microbiological and Biomedical Laboratories for potentially infectious human serum, blood specimens or proteins derived from same. Source material for the human blood product supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis by FDA guidelines. All units were found to be non-reactive/negative for these tests. All human blood source material is collected in FDA licensed centers and is tested with FDA approved test kits.

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