

Datasheet for D611-0050**RAT Gamma Globulin Fraction****Overview**

Description:	Rat Gamma Globulin Fraction - D611-0050
Item No.:	D611-0050
Size:	50 mg
Applications:	SDS-PAGE
Origin:	Rat

Product Details

Background:	Rat 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. Gamma Globulin Fraction can be utilized in molecular biology experiments as a control reagent.
Synonyms:	Plasma Gamma Globulin, Serum Gamma Globulin, Globulin Fractions, Gammaglobulin, rat gamma fraction
Species of Origin:	Rat
Type:	Native Protein

Target Details

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

Application Details

Tested Applications:	SDS-PAGE
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Application Note:	Rat 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
WB:	User Optimized

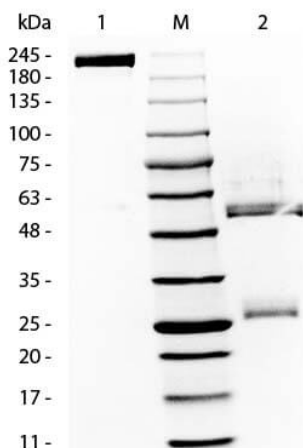
Formulation

Physical State:	Lyophilized
Concentration:	10.0 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
Stabilizer:	None
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. This product 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.

Images



SDS-PAGE

SDS-PAGE of Rat Gamma Globulin. Lane 1: Non-reduced Rat Gamma Globulin. Lane 2: 5µL OPAL Pre-stained Marker MB-210-0500. Lane 3: Reduced Rat Gamma Globulin. Load: 1µg per lane. Predicted/Observed size: Non-reduced at 180-200 kDa , Reduced at 55, 25 kDa.

References

- Tyllis TS et al. B cell-intrinsic CXCR3 drives efficient generation of ectopic pulmonary germinal center responses to influenza A virus infection. *Proc Natl Acad Sci U S A*. (2026)

Disclaimer

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