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Datasheet for D609-0200

Mouse Gamma Globulin Fraction

Overview

Description:	Mouse Gamma Globulin Fraction - D609-0200
Item No.:	D609-0200
Size:	200 mg
Applications:	SDS-PAGE, ELISA
Origin:	Mouse

Product Details

Background:	Mouse 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:	Mouse ɣ-globulin, Plasma Gamma Globulin, Serum Gamma Globulin, Globulin Fractions, Gammaglobulin, mouse gamma fraction
Species of Origin:	Mouse
Type:	Native Protein

Target Details

Purity/Specificity:	Mouse Gamma Globulin Fraction was prepared from normal serum by a multi-step process which includes delipidation and salt fractionation followed by extensive dialysis against the buffer stated above. Mouse Gamma Globulin was assayed by immunoelectrophoresis resulted in precipitin arcs against anti-Mouse Serum corresponding to gamma globulins.
Relevant Links:	• D609 SDS

Application Details

Tested Applications:	SDS-PAGE
Suggested Applications:	ELISA (Based on references)

Application Note:	Mouse gamma globulin blocking reagent has been tested by SDS-PAGE and is an ideal blocker for western blotting, ELISA, Immunohistochemistry and other detection assays.
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

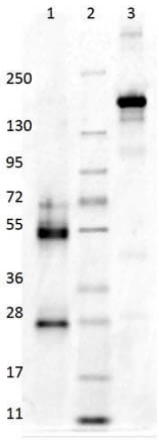
Formulation

Physical State:	Lyophilized
Concentration:	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
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. Mouse 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.

Images



SDS-PAGE
SDS-Page of MOUSE Gamma Globulin Fraction. Lane 1: Mouse Gamma Globulin Reduced. Lane 2: Molecular Weight Marker. Lane 3: Mouse Gamma Globulin Non-Reduced. Load: 1.0 µg per lane. Predicted/Observed size-Reduced: 55 and 28 kDa. Predicted/Observed size-Non-Reduced: 160 kDa.

References

- Wang X et al. Rab12 is a regulator of LRRK2 and its activation by damaged lysosomes. *Elife.* (2023)
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- Wang X et al. Understanding LRRK2 kinase activity in preclinical models and human subjects through quantitative analysis of LRRK2 and pT73 Rab10. *Sci Rep.* (2021)
- Kruse N et al. Quantification of alpha-synuclein in biological fluids by electrochemiluminescence-based detection. *Methods Mol Biol.* (2019)
- Zaworski, P et al. SMN Protein Can Be Reliably Measured in Whole Blood with an Electrochemiluminescence (ECL) Immunoassay: Implications for Clinical Trials. *PloS One* (2016)

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