



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet for 010-0102-1000

## Mouse IgG whole molecule

### Overview

<b>Description:</b>	Mouse IgG Whole Molecule (BULK ORDER) - 010-0102-1000
<b>Item No.:</b>	010-0102-1000
<b>Size:</b>	1 g
<b>Applications:</b>	ELISA, SDS-PAGE, FC, IF, Multiplex, Other, WB
<b>Origin:</b>	Mouse

### Product Details

<b>Background:</b>	Mouse IgG purified protein (Immunoglobulin G) are antibody molecules. Mouse IgG is composed of four peptide chains — two heavy chains and two light chains. Mouse IgG has two antigen binding sites. Other Immunoglobulins may be described in terms of polymers with the IgG structure considered the monomer. Mouse IgG typically constitutes 75% of serum immunoglobulins. Mouse IgG molecules are synthesized and secreted by plasma B cells. Ideal as a negative control for Flow Cytometry, Western blotting, immunoprecipitation and immunohistochemistry applications.
<b>Synonyms:</b>	MOUSE IgG whole molecule, Mouse Immunoglobulin G
<b>Species of Origin:</b>	Mouse
<b>Format:</b>	IgG
<b>Type:</b>	Native Protein

### Target Details

<b>Purity/Specificity:</b>	This product was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG and anti-Mouse Serum.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li><a href="#">010-0102 SDS</a></li></ul>

### Application Details

<b>Tested Applications:</b>	ELISA, SDS-PAGE
<b>Suggested Applications:</b>	FC, IF, Multiplex, Other, WB (Based on references)
<b>Application Note:</b>	Mouse IgG whole molecule has been tested by ELISA and SDS-Page and can be utilized as a control or standard reagent in SDS, Western Blotting, and ELISA experiments.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	User Optimized
<b>FC:</b>	User Optimized
<b>IHC:</b>	User Optimized
<b>IP:</b>	User Optimized
<b>WB:</b>	User Optimized

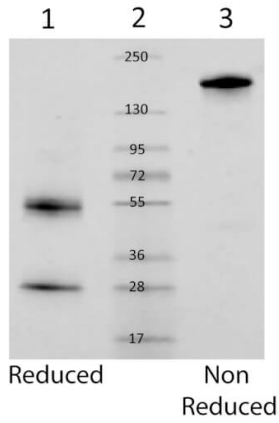
## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	20 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	None

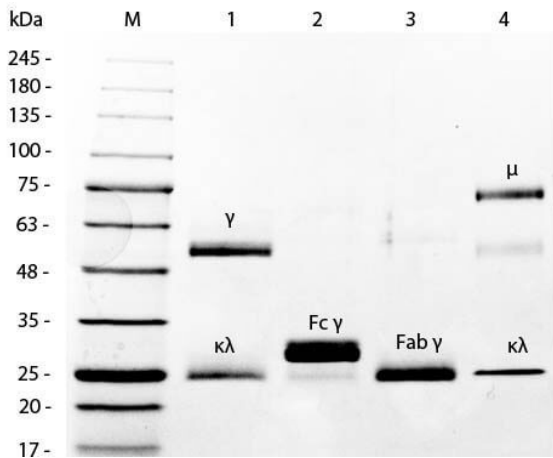
## Shipping & Handling

<b>Shipping Condition:</b>	Dry Ice
<b>Storage Condition:</b>	Store purified Mouse IgG at -20° C. 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.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Images


**SDS-PAGE**

SDS-Page of Mouse IgG whole molecule. Lane 1: Mouse IgG reduced. Lane 2: Molecular Weight Marker. Lane 3: Mouse IgG non-reduced. Load: 1 µg per lane. Predicted/Observed size (non-reduced): 160 kDa, 160 kDa. Predicted/Observed size (reduced): 55 and 28 kDa, 55 and 28 kDa.


**SDS-PAGE**

SDS-PAGE of Mouse IgG Whole Molecule Rhodamine Conjugated (p/n 010-0002). MW: 5 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Mouse IgG Whole Molecule Rhodamine Conjugated (p/n 010-0002). Lane 2: Reduced Mouse F(c) Fragment (p/n 010-0103). Lane 3: Reduced Mouse F(ab) Fragment (p/n 010-0105). Lane 4: Mouse IgM Kappa Myeloma Protein (p/n 010-001-033). Load: 1 µg per lane. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab) at 25 kDa; IgM K at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.

**References**

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## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.