

Datasheet for 010-0841

Mouse IgG2a isotype control Phycoerythrin**Overview**

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| Description: | Mouse IgG2a Isotype Control Phycoerythrin Conjugated - 010-0841 |
| Item No.: | 010-0841 |
| Size: | 1 mL |
| Applications: | Dot Blot |
| Origin: | Mouse |

Product Details

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| Background: | Isotype controls are important for Flow Cytometry and have no specificity for target cells within a particular experiment. Their purpose is to confirm the specificity of primary antibody binding that it is not a result of non-specific Fc receptor binding to cells or other cellular protein interactions. Isotype controls need to be matched to the specific primary Abs (species and isotype, including heavy and light chains) being used. |
| Synonyms: | Phycoerythrin conjugated Mouse IgG2a isotype control, Mouse IgG2a subclass isotype control PE conjugation |
| Species of Origin: | Mouse |
| Conjugate: | R-Phycoerythrin (RPE) |
| Clone ID: | M2A |
| Format: | IgG2a |
| Type: | Native Protein |

Target Details

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| Purity/Specificity: | This product was prepared from ascitic fluid by affinity chromatography. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG2a and anti-Mouse Serum. Isotyping assay resulted the material is non-reactive with antisera to mouse IgG1, IgG2b, IgG3, IgM, and IgA. Phycoerythrin Conjugated Mouse IgG2a was proven by Dot Blot. |
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Application Details

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| Tested Applications: | Dot Blot |
| Application Note: | Mouse IgG2a isotype control has been tested in dot blot and can be utilized as a control or standard reagent in Flow cytometry, Western Blotting, and ELISA experiments where determination of sample isotype is important. |
| Assay Dilutions: | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| ELISA: | User Optimized |
| FC: | 1:1000-1:5000 |
| FLISA: | User Optimized |
| IF: | 1:1000-1:5000 |

Formulation

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| Physical State: | Lyophilized |
| Concentration: | 1.0 mg/mL by UV absorbance = 82.0 at 565 nm |
| Buffer: | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| Preservative: | 0.01% (w/v) Sodium Azide |
| Stabilizer: | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| Reconstitution Volume: | 1.0 mL |
| Reconstitution Buffer: | Restore with deionized water (or equivalent) |

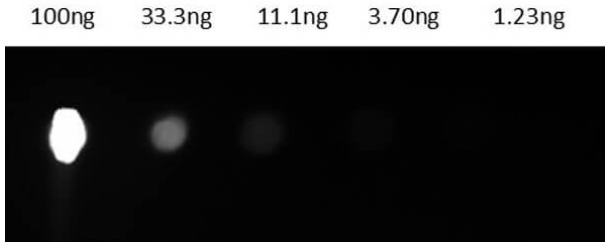
Shipping & Handling

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| Shipping Condition: | Ambient |
| Storage Condition: | Store vial at 4° C prior to restoration. Restore with deionized water (or equivalent). This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Centrifuge product if not completely clear after standing at room temperature. Do not freeze after reconstitution. Store reagent in the dark. Use subdued lighting during handling and incubation of cells prior to analysis. |
| Expiration: | Expiration date is one (1) year from date of receipt. |

Images

Dot Blot

Dot Blot results of Mouse IgG2a R-Phycoerythrin conjugate. Dots are Ms IgG2a RPE at 100ng, 33.3ng, 11.1ng, 3.70ng, 1.23ng levels. Blocking: MB-070 for 60 min at RT. Primary Antibody: none. Secondary Antibody: none. Imaged with BioRad ChemiDoc, DyLight 549 filter.

**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.