

Datasheet for 010-0241**Mouse IgG2a isotype control Fluorescein****Overview**

Description:	Mouse IgG2a Isotype Control Fluorescein Conjugated - 010-0241
Item No.:	010-0241
Size:	100 µg
Applications:	Dot Blot
Origin:	Mouse

Product Details

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:	Fluorescein conjugated MOUSE IgG2a subclass isotype control, MOUSE IgG2a isotype control FITC conjugation
Species of Origin:	Mouse
Conjugate:	Fluorescein (FITC)
Clone ID:	M2A
Format:	IgG2a
Type:	Native Protein
F/P Ratio:	4.99

Target Details

Purity/Specificity:	This product has been prepared from normal mouse serum by immunoaffinity chromatography using antibodies coupled to agarose beads. Extensive cross-adsorption was performed to remove any unwanted subclasses. 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. Fluorescein Conjugated Mouse IgG2a was proven by Dot Blot.
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Application Details

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, Immunofluorescence, 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:	User Optimized
WB:	User Optimized

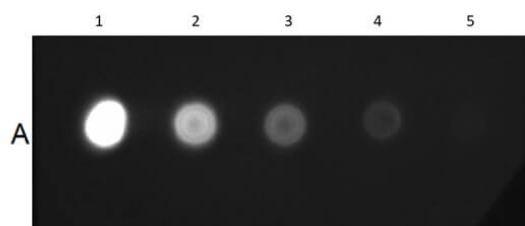
Formulation

Physical State:	Lyophilized
Concentration:	1.0 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:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 μ L
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



Dot Blot

Dot Blot of Mouse IgG2a Isotype Control Fluorescein Conjugated. Ms IgG2a Isotype Control FITC Conjugate (1) 100ng, (2) 33.33ng, (3) 11.11ng, (4) 3.70ng, (5) 1.23ng. Block: Fluorescent Buffer (p/n MB-070) RT for 30 mins.

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.