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Datasheet for 010-0841

Mouse IgG2a isotype control Phycoerythrin

Overview

Description:	Mouse IgG2a Isotype Control Phycoerythrin Conjugated - 010-0841
Item No.:	010-0841
Size:	1 mL
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:	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

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.

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, 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

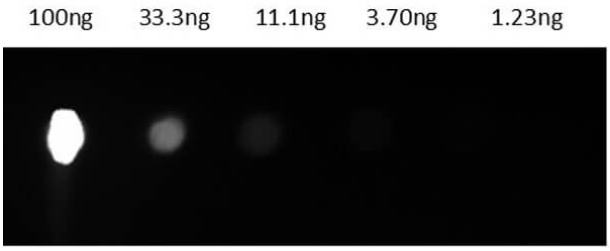
Formulation

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

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

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