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Datasheet for 010-0842

Mouse IgG2b isotype control Phycoerythrin

Overview

Description:	Mouse IgG2b Isotype Control Phycoerythrin Conjugated - 010-0842
Item No.:	010-0842
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 conjugation Mouse IgG2b isotype control, Mouse IgG2b subclass isotype control PE conjugated
Species of Origin:	Mouse
Conjugate:	R-Phycoerythrin (RPE)
Clone ID:	M2B
Format:	IgG2b
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 IgG2b and anti-Mouse serum. Isotyping assay resulted the material is non-reactive with antisera to mouse IgG1, IgG2a, IgG3, IgM, and IgA. Phycoerythrin Conjugated Mouse IgG2b was proven by Dot Blot.

Application Details

Tested Applications:	Dot Blot
Application Note:	Mouse IgG2b 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.
FC:	User Optimized
FLISA:	User Optimized
IF:	1:1000-1:5000
Other:	User Optimized

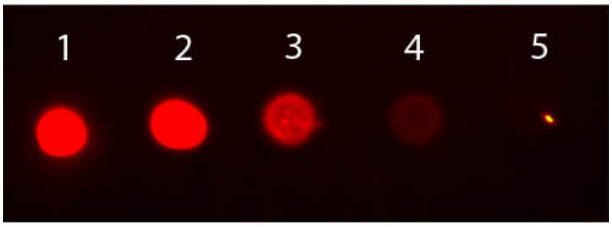
Formulation

Physical State:	Lyophilized
Concentration:	1 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 of Mouse IgG2b Isotype Control Phycoerythrin Conjugated. Antigen: none. Load: Lane 1 - 50 ng Lane 2 - 16.67 ng Lane 3 - 5.56 ng Lane 4 - 1.85 ng Lane 5 - 0.62 ng. Mouse IgG2b Isotype Control Phycoerythrin Conjugated blotted directly to membrane at above dilutions. Block: MB-070 for 60 min at RT.

Disclaimer

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