

Datasheet for 010-0143**Mouse IgG3 isotype Control****Overview**

Description:	Mouse IgG3 Isotype Control - 010-0143
Item No.:	010-0143
Size:	1 mg
Applications:	ELISA, SDS-PAGE
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:	MOUSE IgG3 subclass isotype control, MOUSE IgG3 isotype control
Species of Origin:	Mouse
Clone ID:	MG3
Format:	IgG3
Type:	Native Protein

Target Details

Purity/Specificity:	Mouse Isotype control has been prepared from concentrated cell culture supernatant by immunoaffinity chromatography using protein A. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG3 and anti-Mouse serum. Isotyping assay resulted non-reactive with antisera to mouse IgG1, IgG2a, IgG2b, IgA, IgM. Confirmed by SDS-PAGE.
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Application Details

Tested Applications:	ELISA, SDS-PAGE
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Application Note:	Mouse IgG3 isotype control has been tested by SDS-Page and ELISA 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:	User Optimized
WB:	User Optimized

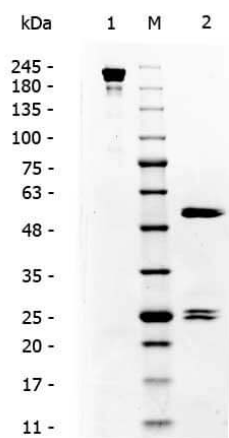
Formulation

Physical State:	Liquid (sterile filtered)
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:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. 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



SDS-PAGE

SDS-PAGE of Mouse IgG3. Lane 1: Non-Reduced Human IgG.
 Lane 2: [5µL] Opal Pre-stained Marker (p/n MB-210-0500).
 Lane 3: Reduced Mouse IgG3. Load: 1µg per lane.
 Predicted/Observed size: Non-reduced at 180-245 kDa,
 Reduced at 55, 25 kDa.

Disclaimer

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