

MOUSE IgG1 isotype control - 010-0140
Code: 010-0140

Size: 1 mg

Product Description: MOUSE IgG1 isotype control - 010-0140

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

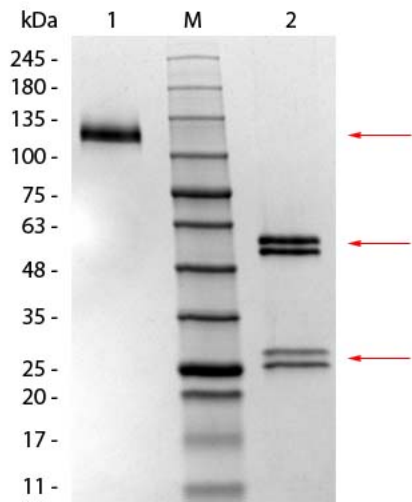
Label	Unconjugated
Buffer	0.02 M Potassium Phosphate, 0.5 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to opening. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge 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.
Synonyms	Mouse IgG1 isotype, Mouse IgG1 subclass isotype, Mouse IgG1 Control, Mouse isotype Control
Application Note	Mouse IgG1 isotype control can be utilized as a control or standard reagent in Flow cytometry, Western Blotting, and ELISA experiments where determination of sample isotype is important.
Background	Isotype control Mouse IgG1 is important for Flow Cytometry. Mouse IgG1 control has 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.
Purity And Specificity	Mouse IgG1 Isotype control has been prepared from concentrated cell culture supernatant by immunoaffinity chromatography using protein A. In an Ouchterlony double diffusion assay, the material is non-reactive with antisera to mouse IgG2a, IgG2b, IgG3, IgM, and IgA. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG and anti-Mouse serum.
Assay Dilutions	User Optimized
ELISA	User Optimized
Western Blot	User Optimized
FLISA	User Optimized
IF Microscopy	User Optimized
Flow Cytometry	1:1000-1:5000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.

Related Products

010-0102	MOUSE IgG whole molecule - 010-0102
610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
BSA-50	BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50

Images

1	SDS-PAGE of Mouse IgG1 Isotype Control. Lane 1: Mouse IgG1 Isotype Control, Non-reduced. M: Opal Pre-stained Ladder (p/n MB-210-0500). Lane 2: Mouse IgG1 Isotype Control, Reduced. Load: 1.0 µg per lane. Predicted/Observed: 120 kDa Non-reduced, 55 and 25 Reduced.
---	--



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.