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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 009-008-007

Human IgM PE

Overview

Description:	Human IgM Whole Molecule Phycoerythrin Conjugated - 009-008-007
Item No.:	009-008-007
Size:	0.25 mL
Origin:	Human

Product Details

Background:	Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together, the approximate molecular weight of IgM is 900kDa and possesses 10 binding sites (though due to the size of most antigens, not all sites are capable of binding at once). Due to this large size, IgM is typically isolated to the serum.
Synonyms:	HUMAN IgM PE conjugated, HUMAN IgM Phycoerythrin conjugation, isotype control for flow cytometry
Species of Origin:	Human
Conjugate:	R-Phycoerythrin (RPE)
Format:	IgM
Type:	Native Protein
F/P Ratio:	1-2

Target Details

Purity/Specificity:	Human IgM whole molecule Phycoerythrin conjugated was prepared from normal serum delipidation, salt fractionation, ion exchange chromatography followed by extensive dialysis against the buffer stated above. Human IgM whole molecule Phycoerythrin conjugated was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Phycoerythrin, anti-Human IgM and anti-Human Serum. No reaction was observed against anti-Human IgG F (c).

Application Details

Application Note:	Human IgM whole molecule Phycoerythrin conjugated can be utilized as a control reagent in Flow Cytometry, Immunohistochemistry, and Western Blotting. Researchers should determine optimal titers for applications that are not stated.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	User Optimized
IHC:	User Optimized
WB:	User Optimized

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance = 82.0 at 565 nm
Buffer:	0.1 M Tris Chloride, 0.5 M Sodium Chloride, pH 8.0
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	250 µL
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.

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.