

Rat IgM Isotype Control

Cat. No.	Form	Quantity
0120-01	Purified (UNLB) Antibody	0.5 mg
0120-02	Fluorescein (FITC) Conjugate	0.5 mg
0120-08	Biotin (BIOT) Conjugate	0.5 mg
0120-09	R-phycoerythrin (R-PE) Conjugate	0.1 mg
0120-11	Allophycocyanin (APC) Conjugate	0.1 mg
0120-13	*Spectral Red™ (SPRD) Conjugate	0.1 mg
0120-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
0120-17	**R-phycoerythrin-Cyanine 7 (R-PE-CY™7) Conjugate	0.1 mg
0120-22	Fluorescein-5-maleimide (FLMA) Conjugate	0.5 mg

DESCRIPTION

Clone NIP/M-2
Ig Isotype Rat IgM λ
Specificity NIP

RESEARCH APPLICATIONS

- Flow cytometry
- Enzyme-Linked-Immunosorbent-Assay (ELISA)

CHARACTERIZATION

To insure lot-to-lot consistency, each batch of product is tested to conform to characteristics of a standard reference reagent using immunofluorescence staining and analysis on a Becton Dickinson FACScan™ flow cytometer and/or ELISA. Representative data are included in this Technical Bulletin.

WORKING DILUTIONS

Flow Cytometry:

Fluorescein conjugates	$\leq 1 \mu\text{g}/10^6$ cells
Biotin conjugate	$\leq 1 \mu\text{g}/10^6$ cells
R-phycoerythrin conjugate	$\leq 0.1 \mu\text{g}/10^6$ cells
Allophycocyanin conjugate	$\leq 0.1 \mu\text{g}/10^6$ cells
Spectral Red™ conjugate	$\leq 0.1 \mu\text{g}/10^6$ cells
R-phycoerythrin-Cyanine 7 conjugate	$\leq 0.1 \mu\text{g}/10^6$ cells

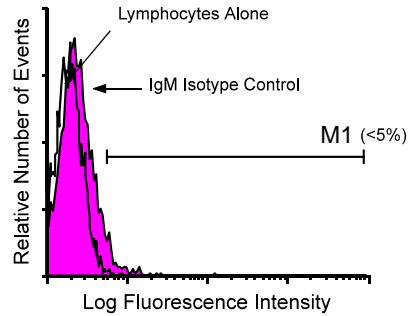
Other Applications: Since applications vary, each investigator should determine the optimum working dilutions of the product that is appropriate for their specific needs.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

IMMUNOFLUORESCENT STAINING

Product: Rat IgM-FITC
Cat. No. 0120-02
Amount Used: $\leq 1 \mu\text{g}/10^6$ cells

BALB/c spleen cells were incubated with either PBS or rat IgM-FITC, following which small lymphocytes were gated and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).



HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) and fluorescein-5-maleimide (FLMA) conjugates are supplied as 0.5 mg in 1.0 mL PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (R-PE) and allophycocyanin (APC) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red™ (SPRD) and R-phycoerythrin-Cyanine 7 (R-PE-CY™7) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°C.**
- With the exception of the low endotoxin, azide-free product, the vials should be stored at 2-8°C. Conjugated forms should **not** be frozen and should be protected from prolonged exposure to light. Aliquot and freeze the low endotoxin, azide-free product at -20°C immediately upon receipt. Each reagent is stable for the period shown on the bottle label if stored as directed.

WARNING

Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

FACScan™ is a registered trademark of Becton Dickinson Immunocytometry Systems, Inc., San Jose, CA.

*Spectral Red™ is a registered trademark of Southern Biotechnology Associates, Inc.

Spectral Red™ is a PE/Cy™5 tandem conjugate. **Cy™5 and Cy™7 are trademarks of Amersham Biosciences Corp.. Cy™5 and Cy™7 are for non-commercial research use only, not for therapeutic or in vivo applications. Other use needs license from Amersham Biosciences Corp., under U.S. Patent Nos. 4,981,977 and 5,268,486 and other patents pending. This material (or portions of this material) is subject to proprietary rights of Amersham Biosciences Corp. and Carnegie Mellon University and made and sold under license from Amersham Biosciences Corp.. This product is licensed for sale only for research. It is not licensed for any other use. There is no implied license hereunder for any commercial use. Commercial Use shall include; 1. sale, lease, license or other transfer of the material or any material derived or produced from it. 2. sale, lease, license or other grant of rights to use this Material or any material derived or produced from it. 3. Use of this material to perform services for a fee for third parties. If you require a commercial license to use this material and do not have one, return this material, unopened to Southern Biotechnology, 160A Oxmoor Blvd, Birmingham, AL 35209, USA and any money paid for the material will be refunded.