

Mouse Anti-Chicken IgM

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
8310-01	Purified (UNLB) Antibody	0.5 mg
8310-02	Fluorescein (FITC) Conjugate	0.5 mg
8310-08	Biotin (BIOT) Conjugate	0.5 mg
8310-09	R-phycoerythrin (R-PE) Conjugate	0.1 mg
8310-13	*Spectral Red™ (SPRD) Conjugate	0.1 mg

DESCRIPTION

Clone	M-1
Ig Isotype	Mouse IgG _{2b} K
Specificity	Chicken IgM (μ heavy chain specific) ¹

RESEARCH APPLICATIONS

- Flow cytometry ²
- Immunoprecipitation ¹

CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of monoclonal antibody is tested by flow cytometry to conform to characteristics of a standard reference. Representative data are included in this product insert.

WORKING DILUTIONS

Flow Cytometry:	Fluorescein conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	Biotin conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	R-phycoerythrin conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells
	Spectral Red™ conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells

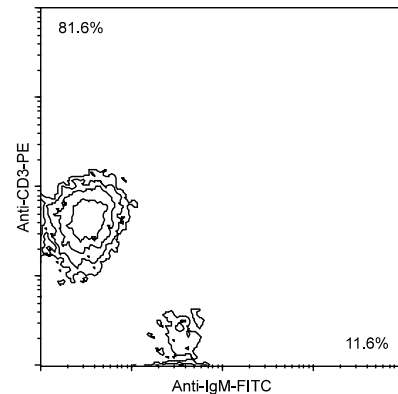
Other Applications: Since applications vary, each investigator should determine the optimum working dilutions of the product that is appropriate for their specific needs.

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

IMMUNOFLUORESCENT STAINING

Product: Mouse Anti-Chicken IgM-FITC
Cat. No.: 8310-02
Amount Used: 1 µg/10⁶ cells

Chicken peripheral blood mononuclear cells were double-stained with mouse anti-chicken IgM-FITC and mouse anti-chicken CD3-R-PE. Small lymphocytes were then 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) conjugate is supplied as 0.5 mg in 1.0 mL of 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) conjugate is 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) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect conjugated forms from light. 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.

REFERENCES

1. Chen, C.H., J.E. Lehmeyer, and M.D. Cooper. 1982. *J. Immunol.* 129:2580.
2. Southern Biotechnology Associates, Inc. Unpublished observations.

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

*Spectral Red™ is a PE/Cy™5 tandem conjugate. Cy™5 is a trademark of Amersham Biosciences Corp.. Cy™5 is 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.