



## Goat Anti-Mouse IgG (H+L chain specific)

Absorbed against human immunoglobulins

| Cat. No. | Form                                     | Quantity |
|----------|--|----------|
| 1031-01  | Purified (UNLB) Antibody                 | 1.0 mg   |
| 1031-02  | Fluorescein (FITC) Conjugate             | 1.0 mg   |
| 1031-03  | Rhodamine (TRITC) Conjugate              | 1.0 mg   |
| 1031-04  | Alkaline Phosphatase (AP) Conjugate      | 1.0 mL   |
| 1031-05  | Horseradish Peroxidase (HRP) Conjugate   | 1.0 mL   |
| 1031-06  | $\beta$ -galactosidase (BGAL) Conjugate  | 1.0 mL   |
| 1031-07  | Texas Red <sup>®</sup> (TXRD) Conjugate  | 1.0 mg   |
| 1031-08  | Biotin (BIOT) Conjugate                  | 1.0 mg   |
| 1031-09  | R-phycoerythrin (R-PE) Conjugate         | 0.5 mg   |
| 1031-09S | R-phycoerythrin (R-PE) Conjugate         | 0.25 mg  |
| 1031-11L | Allophycocyanin (APC) Conjugate          | 0.5 mg   |
| 1031-11S | Allophycocyanin (APC) Conjugate          | 0.25 mg  |
| 1031-15  | *Cyanine 5 (CY <sup>™</sup> 5) Conjugate | 1.0 mg   |

### DESCRIPTION

**Source:** Pooled antisera from goats hyperimmunized with mouse IgG paraproteins.  
**Cross Absorption:** Pooled human sera and purified human paraproteins.  
**Purification:** Affinity chromatography on pooled mouse IgG covalently linked to agarose.  
**Specificity** Reacts with the heavy and light chains of mouse IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub> and IgG<sub>3</sub>, and with the light chains of mouse IgM and IgA as demonstrated by ELISA and flow cytometry. Minimal cross reactivity with human immunoglobulins.

### RESEARCH APPLICATIONS

- Indirect immunostaining in conjunction with mouse monoclonal antibodies
- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- Immunoblotting

### CHARACTERIZATION

To insure lot-to-lot consistency, each batch of product is tested by ELISA, PCFIA and/or flow cytometry to conform to characteristics of a standard reference reagent. Representative data are included in this product insert.

### WORKING DILUTIONS

|                            |  |                                     |
|----------------------------|--|-------------------------------------|
| <b>Immunofluorescence:</b> | FITC, TRITC, TXRD <sup>™</sup> and BIOT conjugates | ≤ 1 $\mu$ g/10 <sup>6</sup> cells   |
|                            | R-PE, APC and CY <sup>™</sup> 5 conjugates         | ≤ 0.1 $\mu$ g/10 <sup>6</sup> cells |
| <b>ELISA:</b>              | AP conjugate                                       | 1:2,000-1:4,000                     |
|                            | HRP conjugate                                      | 1:4,000-1:8,000                     |
|                            | BGAL conjugate                                     | 1:500                               |
|                            | BIOT conjugate                                     | 1:5,000-1:20,000                    |

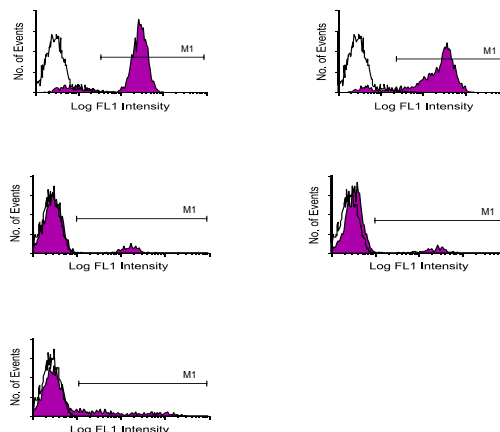
**Other Applications:** Since applications vary, you should determine the optimum working dilution of the product that is appropriate for your specific need.

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

## IMMUNOFLUORESCENT STAINING

**Product:** Goat Anti-Mouse IgG (H+L)-FITC  
**Cat. No.** 1031-02  
**Amount Used:**  $\leq 1 \mu\text{g}/10^6$  cells

Human peripheral blood mononuclear cells were labeled with either mouse IgG<sub>1</sub> anti-human CD3 (A), mouse IgG<sub>2a</sub> anti-human CD5 (B), mouse IgG<sub>2b</sub> anti-human CD22 (C), mouse IgG<sub>3</sub> anti-human IgD (D) or mouse IgM anti-human CD57 (E). After washing the cells were then stained with goat anti-mouse IgG (H+L)-FITC, following which lymphocytes were gated and analyzed by flow cytometry.



## HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 1.0 mg 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), rhodamine (TRITC), Texas Red® (TXRD), and Cyanine 5 (CY™5) conjugates are supplied as 1.0 mg in 1.0 mL PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50mM Tris/1mM MgCl<sub>2</sub>/50% Glycerol, pH 8.0, containing 0.1% NaN<sub>3</sub> as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The β-galactosidase (BGAL) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS/NaN<sub>3</sub> as preservative. Store at 2-8°C or long-term at -20°C.
- The biotin (BIOT) conjugate is supplied as 1.0 mg in 2.0 mL PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (R-PE) and allophycocyanin (APC) conjugates are supplied as 0.5 mg in 1.0 mL or 0.25 mg in 0.5 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the 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.

Texas Red® is a registered trademark of Molecular Probes, Inc.

\*Cyanine 5 (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.