

Goat Anti-Mouse IgG_{2b} (γ_{2b} chain specific)

Cat. No.	Form	Quantity
1090-01	Purified (UNLB) Antibody	1.0 mg
1090-02	Fluorescein (FITC) Conjugate	1.0 mg
1090-03	Rhodamine (TRITC) Conjugate	1.0 mg
1090-04	Alkaline Phosphatase (AP) Conjugate	1.0 mL
1090-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
1090-07	Texas Red [®] (TXRD) Conjugate	1.0 mg
1090-08	Biotin (BIOT) Conjugate	1.0 mg
1090-09	R-phycoerythrin (R-PE) Conjugate	0.5 mg
1090-09S	R-phycoerythrin (R-PE) Conjugate	0.25 mg
1090-11L	Allophycocyanin (APC) Conjugate	0.5 mg
1090-11S	Allophycocyanin (APC) Conjugate	0.25 mg
1090-13	*Spectral Red [™] (SPRD) Conjugate	0.25 mg
1090-15	**Cyanine 5 (CY [™] 5) Conjugate	1.0 mg
1090-17	**R-phycoerythrin-Cyanine 7 (R-PE-CY [™] 7) Conjugate	0.25 mg
1090-19	** Allophycocyanin -Cyanine 7 (APC-CY [™] 7) Conjugate	0.25 mg

DESCRIPTION

- Source:** Pooled antisera from goats hyperimmunized with mouse IgG_{2b} paraproteins.
- Cross Absorption:** Mouse IgM, IgG₁, IgG_{2a}, IgG₃ and IgA, pooled human sera and purified human paraproteins.
- Purification:** Affinity chromatography on mouse IgG_{2b} covalently linked to agarose
- Specificity** Reacts with the heavy chain of mouse IgG_{2b} as demonstrated by ELISA, FLISA, and/or flow cytometry. Minimal cross reactivity with human immunoglobulins.

RESEARCH APPLICATIONS

- Indirect immunostaining in conjunction with mouse IgG_{2b} monoclonal antibodies
- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- Fluorescent-Linked-Immunosorbent-Assay (FLISA)
- Immunoblotting

CHARACTERIZATION

To insure lot-to-lot consistency, each batch of product is tested by ELISA, FLISA, and/or flow cytometry for conformance to characteristics of a standard reference reagent.

WORKING DILUTIONS

- Immunofluorescence:** FITC and BIOT conjugates ≤ 1 μg/10⁶ cells
R-PE, APC, R-PE-CY[™]7, APC-CY[™]7, CY[™]5 and ≤ 0.1 μg/10⁶ cells
SPRD conjugates
- FLISA:** TRITC and TXRD conjugates 1:100-1:400
- ELISA:** AP conjugate 1:2,000-1:4,000
HRP conjugate 1:4,000-1:8,000
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.

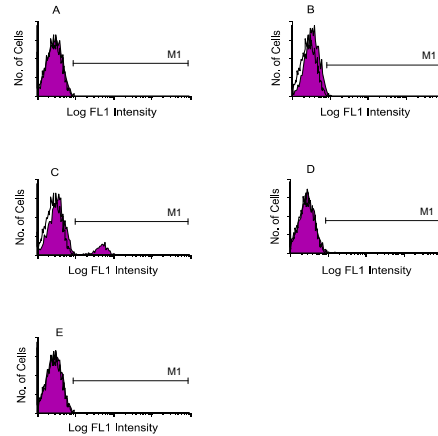
IMMUNOFLUORESCENT STAINING

Product: Goat Anti-Mouse IgG_{2b}-FITC

Cat. No. 1090-02

Amount Used: ≤1 μg/10⁶ cells

Human peripheral blood mononuclear cells were labeled with either mouse anti-human CD3 (IgG₁) (A), anti-human CD5 (IgG_{2a}) (B), anti-human CD22 (IgG_{2b}) (C), anti-human IgD (IgG₃) (D) or anti-human CD57 (IgM) (E). After washing the cells were then stained with goat anti-mouse IgG_{2b}-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/NaN₃. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50mM Tris/1mM MgCl₂/50% Glycerol, pH 8.0, containing 0.1% NaN₃ 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 biotin (BIOT) conjugate is supplied as 1.0 mg in 2.0 mL PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (R-PE) conjugate is supplied as 0.5 mg in 1.0 mL or 0.25 mg in 0.5 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The allophycocyanin (APC) conjugate is supplied as 0.5 mg in 1.0 mL or 0.25 mg in 0.5 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red[™] (SPRD), R-phycoerythrin-Cyanine 7 (R-PE-CY[™]7), and Allophycocyanin-Cyanine 7 (APC-CY[™]7) conjugates are supplied as 0.25 mg in 1.0 mL of PBS/NaN₃ 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 which 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.

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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 is a trademark of Amersham Biosciences Corp.. Cy[™]5 and Cy[™]7 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.

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