

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 and 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)
- Immunoblotting

CHARACTERIZATION

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

WORKING DILUTIONS

Immunofluorescence:	FITC, TRITC, TXRD BIOT conjugates	≤ 1 μg/10 ⁶ cells
	R-PE, APC, R-PE-CY™7, APC-CY™7, CY™5 and SPRD conjugates	≤ 0.1 μg/10 ⁶ cells
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.

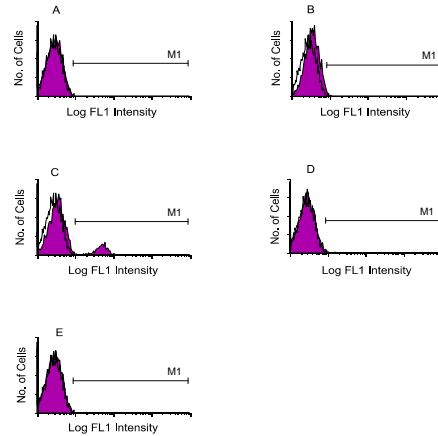
IMMUNOFLUORESCENT STAINING

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 IgG₁ anti-human CD3 (A), mouse IgG_{2a} anti-human CD5 (B), mouse IgG_{2b} anti-human CD22 (C), mouse IgG₃ anti-human IgD (D) or mouse IgM anti-human CD57 (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 50% glycerol/50% 50 mM Tris, 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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