

Goat Anti-Mouse IgM+IgG+IgA(H+L)

Cat. No.	Form	Quantity
1010-01	Purified (UNLB) Antibody	2.0 mg
1010-02	Fluorescein (FITC) Conjugate	1.0 mg
1010-03	Rhodamine (TRITC) Conjugate	1.0 mg
1010-04	Alkaline Phosphatase (AP) Conjugate	1.0 mL
1010-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
1010-06	β -galactosidase (BGAL) Conjugate	1.0 mL
1010-07	Texas Red [®] (TXRD) Conjugate	1.0 mg
1010-08	Biotin (BIOT) Conjugate	1.0 mg
1010-09	R-phycoerythrin (R-PE) Conjugate	0.5 mg
1010-09S	R-phycoerythrin (R-PE) Conjugate	0.25 mg

DESCRIPTION

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

RESEARCH APPLICATIONS

- Indirect immunostaining in conjunction with mouse 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 to conform to characteristics of a standard reference reagent. Representative data are included in this product insert

WORKING DILUTIONS

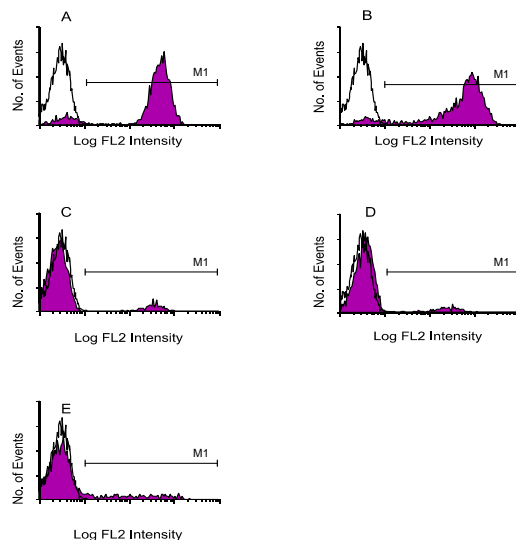
Immunofluorescence:	FITC and BIOT conjugates	$\leq 1 \mu\text{g}/10^6$ cells
	R-PE conjugate	$\leq 0.1 \mu\text{g}/10^6$ cells
FLISA:	TRITC and TXRD conjugates	1:100 – 1:400
ELISA:	AP conjugate	1:2,000-1:4,000
	HRP conjugate	1:4,000-1:8,000
	BGAL conjugate	1:500
	BIOT conjugate	1:5,000-1:20,000
Other 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 Ig-R-PE
Cat. No. 1010-09
Amount Used: 0.1 $\mu\text{g}/10^6$ 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 Ig-R-PE, following which lymphocytes were gated and analyzed by flow cytometry.



HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 2.0 mg purified immunoglobulin in 2.0 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), and Texas Red® (TXRD) 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 β -galactosidase (BGAL) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS/NaN₃ 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/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!**
- 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.