

Goat F(ab')₂ Anti-Mouse IgM+IgG+IgA (H+L)

Cat. No.	Form	Quantity
1012-01	Purified (UNLB) Antibody	0.5 mg
1012-02	Fluorescein (FITC) Conjugate	0.5 mg
1012-04	Alkaline Phosphatase (AP) Conjugate	1.0 mL
1012-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
1012-08	Biotin (BIOT) Conjugate	0.5 mg
1012-09	R-phycoerythrin (R-PE) Conjugate	0.25 mg
1012-10	R-phycoerythrin-Texas Red [®] (R-PE-TXRD) Conjugate	0.25 mg
1012-11	Allophycocyanin (APC) Conjugate	0.25 mg
1012-13	*SpectralRed [™] (SPRD) Conjugate	0.25 mg
1012-15	**Cyanine 5 (CY [™] 5) Conjugate	0.5 mg
1012-16	**R-phycoerythrin-Cyanine 5.5 (R-PE-CY [™] 5.5) Conjugate	0.25 mg

DESCRIPTION

Source:	Pepsin digest of goat anti-mouse Ig (H+L).
Cross Absorption:	Pooled human sera and purified human paraproteins.
Purification:	Gel filtration chromatography of pepsin digested antibody.
Specificity	Reacts with the heavy and light chains of mouse IgM, IgG ₁ , IgG _{2a} , IgG _{2b} , IgG ₃ , and IgA as demonstrated by ELISA and flow cytometry. Minimal cross reactivity with human immunoglobulins.

RESEARCH APPLICATIONS

- Indirect immunofluorescent staining in conjunction with mouse monoclonal antibodies
- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- Western blotting
- Dot- and slot-immunoblotting
- Immunohistochemistry

CHARACTERIZATION

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

WORKING DILUTIONS

Immunofluorescence:	FITC conjugate	≤ 1 µg/10 ⁶ cells
	BIOT conjugate	≤ 1 µg/10 ⁶ cells
	R-PE, APC, SPRD, CY [™] 5 and R-PE-CY [™] 5.5 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.

HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 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) and Cyanine 5 (CYTM5) conjugates are supplied as 0.5 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 0.5 mg in 1.0 mL PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (R-PE) and allophycocyanin (APC) 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!**
- The Spectral RedTM (SPRD), R-phycoerythrin -Texas Red[®] (R-PE-TXRD), and R-phycoerythrin-Cyanine 5.5 (R-PE-CYTM5.5) 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. 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.

Spectral RedTM is a registered trademark of Southern Biotechnology Associates, Inc.

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