

## Rat IgG<sub>1</sub> Isotype Control

Cat. No.	Form	Quantity
0116-01	Purified (UNLB) Antibody	0.5 mg
0116-02	Fluorescein (FITC) Conjugate	0.5 mg
0116-04	Alkaline Phosphatase (AP) Conjugate	1.0 mL
0116-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
0116-08	Biotin (BIOT) Conjugate	0.5 mg
0116-09	R-phycoerythrin (R-PE) Conjugate	0.1 mg
0116-11	Allophycocyanin (APC) Conjugate	0.1 mg
0116-13	*Spectral Red™ (SPRD) Conjugate	0.1 mg
0116-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
0116-16	**R-phycoerythrin-Cyanine 5.5 (R-PE-CY™5.5) Conjugate	0.1 mg
0116-17	**R-phycoerythrin-Cyanine 7 (R-PE-CY™7) Conjugate	0.1 mg
0116-18	** Allophycocyanin –Cyanine 5.5 (APC-CY™5.5) Conjugate	0.1 mg
0116-19	** Allophycocyanin –Cyanine 7 (APC-CY™7) Conjugate	0.1 mg

### DESCRIPTION

**Clone** KLH/G1-2-2  
**Ig Isotype** Rat IgG<sub>1κ</sub>  
**Specificity** Keyhole limpet hemocyanin (KLH)

### RESEARCH APPLICATIONS

- Flow cytometry
- Enzyme-Linked-Immunosorbent-Assay (ELISA)
- Fluorescent-Linked-Immunosorbent-Assay (FLISA)

### CHARACTERIZATION

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

### WORKING DILUTIONS

**Flow Cytometry:**

Fluorescein conjugate	≤1 µg/10 <sup>6</sup> cells
Biotin conjugate	≤1 µg/10 <sup>6</sup> cells
R-phycoerythrin conjugate	≤0.2 µg/10 <sup>6</sup> cells
Allophycocyanin conjugate	≤0.2 µg/10 <sup>6</sup> cells
Spectral Red™ conjugate	≤0.2 µg/10 <sup>6</sup> cells
R-phycoerythrin-Cyanine 5.5 conjugate	≤0.2 µg/10 <sup>6</sup> cells
R-phycoerythrin-Cyanine 7 conjugate	≤0.2 µg/10 <sup>6</sup> cells
Allophycocyanin-Cyanine 5.5 conjugate	≤0.2 µg/10 <sup>6</sup> cells
Allophycocyanin-Cyanine 7 conjugate	≤0.2 µg/10 <sup>6</sup> cells

**ELISA:**

Purified antibody	1µg/mL
AP conjugate	1:2,000-1:4,000
HRP conjugate	1:4,000-1:8,000

**Other Applications:** Since applications vary, each investigator should determine the optimum working dilutions of the product that is appropriate for their specific needs.

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

## HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 mg of 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) conjugate is supplied as 0.5 mg in 1.0 mL PBS/NaN<sub>3</sub>. Store at 2-8°C. 20°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 biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (R-PE) and allophycocyanin (APC) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red™ (SPRD), R-phycoerythrin-Cyanine 5.5 (R-PE-CY™5.5), R-phycoerythrin-Cyanine 7 (R-PE-CY™7), Allophycocyanin-Cyanine 5.5 (APC-CY™5.5), and Allophycocyanin-Cyanine 7 (APC-CY™7) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°C.**
- With the exception of the low endotoxin, azide-free product, the vials should be stored at 2-8°C. Conjugated forms should **not** be frozen and should be protected from prolonged exposure to light. Aliquot and freeze the low endotoxin, azide-free product at -20°C immediately upon receipt. Each reagent is stable for the period shown on the bottle 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.

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