



## Rat IgG<sub>2b</sub> Isotype Control

Cat. No.	Form	Quantity
0118-01	Purified (UNLB) Antibody	0.5 mg
0118-02	Fluorescein (FITC) Conjugate	0.5 mg
0118-04	Alkaline Phosphatase (AP) Conjugate	1.0 mL
0118-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
0118-08	Biotin (BIOT) Conjugate	0.5 mg
0118-09	R-phycoerythrin (R-PE) Conjugate	0.1 mg
0118-10	R-phycoerythrin-Texas Red® (R-PE-TXRD) Conjugate	0.1 mg
0118-11	Allophycocyanin (APC) Conjugate	0.1 mg
0118-13	*Spectral Red™ (SPRD) Conjugate	0.1 mg
0118-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
0118-15	**Cyanine 5 (CY™5) Conjugate	0.1 mg
0118-16	**R-phycoerythrin-Cyanine 5.5 (R-PE-CY™5.5) Conjugate	0.1 mg
0118-17	**R-phycoerythrin-Cyanine 7 (R-PE-CY™7) Conjugate	0.1 mg
0118-18	** Allophycocyanin –Cyanine 5.5 (APC-CY™5.5) Conjugate	0.1 mg
0118-19	** Allophycocyanin –Cyanine 7 (APC-CY™7) Conjugate	0.1 mg

### DESCRIPTION

Clone                    KLH/G2b-1-2  
 Ig Isotype             Rat IgG<sub>2bκ</sub>  
 Specificity            Keyhole limpet hemocyanin (KLH)

### RESEARCH APPLICATIONS

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

### CHARACTERIZATION

To insure lot-to-lot consistency, each batch of product is tested to conform to characteristics of a standard reference reagent using immunofluorescence staining and analysis on a Becton Dickinson FACScan™ flow cytometer.

### WORKING DILUTIONS

<b>Flow Cytometry:</b>	Purified antibody	≤1 µg/10 <sup>6</sup> cells
	Fluorescein conjugate	≤1 µg/10 <sup>6</sup> cells
	Biotin conjugate	≤1 µg/10 <sup>6</sup> cells
	R-phycoerythrin conjugate	≤0.1 µg/10 <sup>6</sup> cells
	R-phycoerythrin/Texas Red conjugate	≤0.1 µg/10 <sup>6</sup> cells
	Allophycocyanin conjugate	≤0.1 µg/10 <sup>6</sup> cells
	Spectral Red™ conjugate	≤0.1 µg/10 <sup>6</sup> cells
	Cyanine 5 conjugate	≤0.1 µg/10 <sup>6</sup> cells
	R-phycoerythrin-Cyanine 5.5 conjugate	≤0.1 µg/10 <sup>6</sup> cells
	R-phycoerythrin-Cyanine 7 conjugate	≤0.1 µg/10 <sup>6</sup> cells
	Allophycocyanin-Cyanine 5.5 conjugate	≤0.1 µg/10 <sup>6</sup> cells
	Allophycocyanin-Cyanine 7 conjugate	≤0.1 µg/10 <sup>6</sup> cells
	<b>ELISA:</b>	Purified antibody
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. 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 -Texas Red® (R-PE-TXRD), 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.**
- The Cyanine 5 (CY™5) conjugate is supplied as 0.1 mg in 1.0 mL PBS/NaN<sub>3</sub>. Store at 2-8°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.

Texas Red® is a registered trademark of Molecular Probes, Inc.

FACScan™ is a registered trademark of Becton Dickinson Immunocytometry Systems, Inc., San Jose, CA.

\*Spectral Red™ is a registered trademark of Southern Biotechnology Associates, Inc.

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