



## CELL LAB Rat IgG2a Isotype Control

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
731663	Purified (UNLB) Antibody	0.5 mg
731664	Fluorescein (FITC) Conjugate	0.5 mg
731665	Biotin (BIOT) Conjugate	0.5 mg
731666	Phycoerythrin (PE) Conjugate	0.1 mg
731667	Allophycocyanin (APC) Conjugate	0.1 mg
731668	Spectral Red™ (SPRD) Conjugate	0.1 mg

### For Laboratory Use Only

#### DESCRIPTION

**Clone:** KLH/G2a-1-1  
**Isotype:** Rat IgG2a $\kappa$   
**Specificity:** Keyhole limpet hemocyanin (KLH)

#### APPLICATIONS

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

#### CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using immunofluorescence staining and flow cytometry.

#### WORKING DILUTIONS

**Flow Cytometry:**

Fluorescein conjugate	$\leq 1 \mu\text{g}/10^6$ cells
Biotin conjugate	$\leq 1 \mu\text{g}/10^6$ cells
Phycoerythrin conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells
Allophycocyanin conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells
Spectral Red conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells

**Other Applications:** Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

#### 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 8.0. No preservatives or amine-containing buffer salts added.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- The Phycoerythrin (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.
- The Spectral Red (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent.

- Protect fluorochrome-conjugated forms from light. Do not freeze.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

### STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Minimize exposure of reagent to light during storage or incubation.
5. Avoid microbial contamination of reagent or erroneous results may occur.
6. Use Good Laboratory Practice (GLP) when handling this reagent.
7. Harmful if swallowed.
8. After contact with skin, wash immediately with plenty of water.
9. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

### TRADEMARKS

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CY5 is a trademark of GE Healthcare, Inc.

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Spectral Red is a PE/Cy<sup>TM</sup>5 tandem conjugate. Cy5 is for non-commercial research use only, not for therapeutic or in vivo applications. Other use needs license from Amersham Biosciences Corp., under U.S. Patent Nos. 4,981,977 and 5,268,486 and other patents pending. This material (or portions of this material) is subject to proprietary rights of Amersham Biosciences Corp. and Carnegie Mellon University and made and sold under license from Amersham Biosciences Corp. This product is licensed for sale only for research. It is not licensed for any other use. There is no implied license hereunder for any commercial use. Commercial use shall include: 1) sale, lease, license or other transfer of the material or any material derived or produced from it 2) sale, lease, license or other grant of rights to use this material or any material derived or produced from it 3) use of this material to perform services for a fee for third parties. If you require a commercial license to use this material and do not have one, return this material, unopened to Beckman Coulter, Inc. 11800 SW 147 Ave. Miami, FL 33196, USA and any money paid for the material will be refunded.



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