



## CELL LAB Goat Anti-Rat IgG ( $\gamma$ chain specific)

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
732660	Purified (UNLB) Antibody	1.0 mg
732661	Fluorescein (FITC) Conjugate	1.0 mg
732662	Rhodamine (TRITC) Conjugate	1.0 mg
732663	Alkaline Phosphatase (AP) Conjugate	1.0 mL
732664	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
732665	$\beta$ -galactosidase (BGAL) Conjugate	1.0 mL
732666	Biotin (BIOT) Conjugate	1.0 mg
732667	Phycoerythrin (PE) Conjugate	0.5 mg

### For Laboratory Use Only

#### DESCRIPTION

**Source:** Pooled antisera from goats hyperimmunized with normal rat IgG.  
**Cross Absorption:** Rat IgM.  
**Purification:** Affinity chromatography on rat IgG covalently linked to Sepharose™-4B.  
**Specificity:** Reacts with the heavy chain of rat IgG as demonstrated by ELISA. May also react with IgG from other species.

#### APPLICATIONS

- Direct immunofluorescent staining of IgG<sup>+</sup> rat B lymphocytes
- Enzyme-Linked Immunosorbent Assay (ELISA)
- Western blotting
- Dot- and slot-immunoblotting
- Immunohistochemistry

#### CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using ELISA, Particle Concentration Fluorescence Immunoassay and/or flow cytometry.

#### WORKING DILUTIONS

**Immunofluorescence:**

FITC and TRITC conjugates	$\leq 1 \mu\text{g}/10^6$ cells
BIOT conjugate	$\leq 1 \mu\text{g}/10^6$ cells
PE conjugate	$\leq 0.1 \mu\text{g}/10^6$ 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
BGAL conjugate	1:500

**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 1.0 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.
- The fluorescein (FITC) and rhodamine (TRITC) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50 mM Tris/1 mM MgCl<sub>2</sub>/50% glycerol, pH 8.0, containing 0.1% NaN<sub>3</sub> as preservative.
- 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.
- The β-galactosidase (BGAL) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS/NaN<sub>3</sub> as preservative.
- The biotin (BIOT) conjugate is supplied as 1.0 mg in 2.0 mL of PBS/NaN<sub>3</sub>.
- The phycoerythrin (PE) conjugate is supplied as 0.5 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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For additional information or if damaged product is received, contact your local Beckman Coulter Representative.



Manufactured for:  
Beckman Coulter, Inc.  
4300 N. Harbor Blvd.  
Fullerton, CA 92835  
[www.beckmancoulter.com](http://www.beckmancoulter.com)

Printed in USA  
Made in USA

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PN 734018-B