



## CELL LAB Rat Anti-Mouse IgA ( $\alpha$ chain specific)

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
732415	Purified (UNLB) Antibody	0.5 mg
732416	Fluorescein (FITC) Conjugate	0.5 mg
732417	Alkaline Phosphatase (AP) Conjugate	1.0 mL
732418	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
732419	Biotin (BIOT) Conjugate	0.5 mg
732420	Phycoerythrin (PE) Conjugate	0.1 mg
733242	Phycoerythrin (PE) Conjugate	0.2 mg

### For Laboratory Use Only

#### DESCRIPTION

**Clone:** 11-44-2  
**Isotype:** Rat IgG1 $\kappa$   
**Specificity:** Reacts with the  $\alpha$  heavy chain of mouse IgA

#### APPLICATIONS

- Identification and enumeration of IgA<sup>+</sup> cells by flow cytometry
- Identification and enumeration of IgA<sup>+</sup> cells by immunofluorescence microscopy
- 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 flow cytometry.

#### WORKING DILUTIONS

**Flow Cytometry:**

FITC conjugate	$\leq 1 \mu\text{g}/10^6$ cells
BIOT conjugate	$\leq 1 \mu\text{g}/10^6$ cells
PE conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells

**ELISA:**

AP conjugate	1:500-1:1,000
HRP conjugate	1:1,000-1:2,000

**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 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 biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- The phycoerythrin (PE) conjugates are supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 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**

The Beckman Coulter logo is a trademark of Beckman Coulter, Inc.

For additional information or if damaged product is received, contact your local Beckman Coulter Representative.



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