



Rat Anti-Mouse IgA (α chain specific)

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
1165-01	Purified (UNLB) Antibody	0.5 mg
1165-02	Fluorescein (FITC) Conjugate	0.5 mg
1165-04	Alkaline Phosphatase (AP) Conjugate	1.0 mL
1165-05	Horseradish Peroxidase (HRP) Conjugate	1.0 mL
1165-08	Biotin (BIOT) Conjugate	0.5 mg
1165-09	R-phycoerythrin (R-PE) Conjugate	0.1 mg
1165-09L	R-phycoerythrin (R-PE) Conjugate	0.2 mg

DESCRIPTION

Clone	11-44-2
Ig Isotype	Rat IgG ₁ κ
Specificity	Reacts with the α heavy chain of mouse IgA

RESEARCH APPLICATIONS

- Identification and enumeration of IgA⁺ cells by flow cytometry
- Identification and enumeration of IgA⁺ cells by immunofluorescence microscopy
- Enzyme-Linked-Immunosorbent-Assay (ELISA)

CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of monoclonal antibody is tested by ELISA and/or flow cytometry to conform to characteristics of a standard reference reagent.

WORKING DILUTIONS

Flow Cytometry:	Fluorescein conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	Biotin conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	R-phycoerythrin conjugate	$\leq 0.2 \mu\text{g}/10^6$ cells

ELISA:	Alkaline phosphatase conjugate	1:500-1:1,000
	Horseradish peroxidase conjugate	1:1,000-1:2,000

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 of PBS/NaN₃. Store at 2-8°C
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50mM Tris/1mM MgCl₂/50% Glycerol, pH 8.0, containing 0.1% NaN₃ 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/NaN₃. Store at 2-8°C
- The R-phycoerythrin (R-PE) conjugate is supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect conjugated forms from light. Reagents are stable for the period shown on the 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.