



## CELL LAB Mouse Anti-Chicken Ia

Cat. No.	Form	Quantity
733081	Purified (UNLB) Antibody	0.5 mg
733082	Fluorescein (FITC) Conjugate	0.5 mg
733083	Biotin (BIOT) Conjugate	0.5 mg
733084	Phycoerythrin (PE) Conjugate	0.1 mg

### For Laboratory Use Only

#### DESCRIPTION

**Clone:** Cla  
**Isotype:** Mouse IgM<sub>κ</sub>  
**Specificity:** A 65 kDa glycoprotein consisting of a 32 kDa α-chain non-covalently bound to a 27 kDa β-chain

The chicken Ia antigen is expressed on B cells, a subpopulation of the monocyte/macrophage lineage of cells, and mitogen-activated T cells.<sup>1</sup> The molecule recognized by this antibody is similar in structure to the murine Ia antigens and human DR antigens.<sup>1</sup>

#### APPLICATIONS

- Identification and enumeration of Ia<sup>+</sup> cells by flow cytometry<sup>1</sup>
- Immunoprecipitation<sup>1</sup>
- Inhibition of MLR<sup>1</sup>

#### 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	≤1 μg/10 <sup>6</sup> cells
BIOT conjugate	≤1 μg/10 <sup>6</sup> cells
PE conjugate	≤0.2 μg/10 <sup>6</sup> 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) 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

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.

### REFERENCES

1. Ewert DL, Munchus MS, Chen CL, and Cooper MD. 1984. Analysis of structural properties and cellular distribution of avian Ia antigen by using monoclonal antibody to monomorphic determinants. *J Immunol*, 132:2524-2530.



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

© 2005 Beckman Coulter, Inc.  
All Rights Reserved.

PN 734106-A