



## CELL LAB Rat Anti-Mouse CD102 (ICAM-2)

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
732533	Purified (UNLB) Antibody	0.5 mg
732534	Fluorescein (FITC) Conjugate	0.5 mg
732535	Fluorescein (FITC) Conjugate	0.1 mg
732536	Biotin (BIOT) Conjugate	0.5 mg
732537	Phycoerythrin (PE) Conjugate	0.1 mg

### For Laboratory Use Only

#### DESCRIPTION

<b>Clone:</b>	3C4
<b>Isotype:</b>	Rat (Lewis) IgG2a $\kappa$
<b>Immunogen:</b>	COS cells transfected with mouse ICAM-2 cDNA <sup>1</sup>
<b>Specificity:</b>	Mouse ICAM-2

The 3C4 (mIC2/4) monoclonal antibody reacts with mouse ICAM-2 (CD102) cell surface glycoprotein, a ligand for the leukocyte integrin CD11a/CD18 (LFA-1).<sup>1</sup> CD102 is constitutively expressed on T cells, B cells, and at high levels on vascular endothelial cells.<sup>2</sup> It is also expressed on a variety of leukocyte cell lines.<sup>1</sup> The 3C4 antibody blocks the interaction between ICAM-2 and LFA-1.<sup>1</sup>

#### APPLICATIONS

- Flow cytometry<sup>1,2</sup>
- *In vitro* blocking assays<sup>1</sup>
- Immunohistochemistry (acetone-fixed, frozen tissue sections)
- Immunoprecipitation<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

<b>Flow Cytometry:</b>	Purified antibody	$\leq 1 \mu\text{g}/10^6$ cells
	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

**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) conjugates are supplied as 0.5 mg or 0.1 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. Xu H, Bickford JK, Luther E, Carpenito C, Takei F and Springer TA. 1996. Characterization of murine intercellular adhesion molecule-2. *J Immunol*, 156:4909-4914.
2. Xu H, Tong IL, de Fougères AR and Springer TA. 1992. Isolation, characterization, and expression of mouse ICAM-2 complementary and genomic DNA. *J Immunol*, 149:2650-2655.



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 733996-A