



CELL LAB Rat Anti-Mouse CD2 (LFA-2)

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
731973	Purified (UNLB) Antibody	0.5 mg
731975	Fluorescein (FITC) Conjugate	0.1 mg
736581	Fluorescein (FITC) Conjugate	0.5 mg
731976	Biotin (BIOT) Conjugate	0.5 mg
731977	Phycoerythrin (PE) Conjugate	0.1 mg
733251	Phycoerythrin (PE) Conjugate	0.2 mg

For Laboratory Use Only

DESCRIPTION

Clone: 12-15
Isotype: Rat IgG1 κ
Specificity: Mouse CD2/LFA-2

CD2, also known as leukocyte function-associated antigen-2 (LFA-2), is a member of the immunoglobulin superfamily of cell adhesion molecules.¹ It is expressed on the surface of >95% of thymocytes, and essentially all B cells, T cells and NK cells.¹⁻³ In the mouse, CD2 is the receptor for CD48.⁴ CD2 is thought to play a major role in mediating T-cell adhesion, T-cell recognition/activation, T-cell signalling and intrathymic differentiation.⁵⁻¹⁰

APPLICATIONS

- Flow cytometry¹⁻³
- Immunoprecipitation^{1,2}
- *In vitro* inhibition of CTL-mediated lysis¹

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	$\leq 0.5 \mu\text{g}/10^6$ 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/NaN₃.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃.
- The phycoerythrin (PE) conjugates are supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaN₃ 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

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