



CELL LAB Rat Anti-Mouse IgD

Cat. No.	Form	Quantity
732387	Purified (UNLB) Antibody	0.5 mg
732388	Fluorescein (FITC) Conjugate	0.5 mg
732389	Biotin (BIOT) Conjugate	0.5 mg
732390	Phycoerythrin (PE) Conjugate	0.1 mg
733235	Phycoerythrin (PE) Conjugate	0.2 mg

For Laboratory Use Only

DESCRIPTION

Clone: 11-26
Isotype: Rat IgG2a κ
Specificity: δ heavy chain of mouse IgD

Monoclonal antibody (MAb) 11-26 reacts with mouse IgD of all haplotypes (for example, IgD^a, IgD^b, IgD^c), and does not react with other immunoglobulin isotypes.¹⁻³ MAb 11-26 does not induce proliferation of mature B cells *in vitro*.⁴

APPLICATIONS

- Flow cytometry¹⁻⁴

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

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/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

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

REFERENCES

1. Nitschke L, Kosco MH, Kohler G, and Lamers MC. 1993. Immunoglobulin D-Deficient Mice can Mount Normal Immune Responses to Thymus-Independent and -Dependent Antigens. *Proc Natl Acad Sci USA*, 90:1887-1991.
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3. Hamilton AM, Lehuen A, and Kearney JF. 1994. Immunofluorescence analysis of B-1 cell ontogeny in the mouse. *Int Immunol*, 6:355-361.
4. Finkelman FD, Holmes JM, and Morse SC. 1994. Crosslinking of B cell mIgD in the absence of T cell help induces B cell death in vivo. *The FASEB Journal*, 8:A964.



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