

PN IM2645 CD24 - PC5

(ALB9)

100 tests
10 µL/test



IO Test[®]
Conjugated Antibodies

For Research Use Only. Not for use in diagnostic procedures.

SPECIFICITY

The molecular weight of the recognized antigen is 41 - 38 kDa. ALB9 recognizes B cells from pre-B stage to mature-B stage. Studies have shown that CD24 recognizes the majority of normal medullar granulous cells and peripheral blood polymorphonuclear cells.

Research indicates that ALB9 recognizes two-thirds of Epstein-Barr virus transformed cell lines (1).

REAGENT

Clone	ALB9
Isotype	IgG1 mouse
Immunogen	Human bone marrow malignant cells from a non-B, non-T acute leukemia
Hybridoma	NS1 x Balb/c spleen cells
Source	Ascites fluid
Purification	Ion exchange or affinity chromatography
Conjugation	PC5: The IgG is conjugated to a tandem dye constituted of R-phycoerythrin covalently linked to cyanin 5.1 at 0.7-1 mole of PC5 per mole of IgG.
Excitation wavelength:	488 nm
Maximum emission wavelength:	670 nm
Main emission color:	Deep-red
Buffer	2 mg/mL bovine serum albumin in phosphate-buffered saline containing 0.1% sodium azide.

APPLICATION

Flow cytometry
Studies of peripheral blood B cells.
Characterization of haematopoietic differentiation.

STATEMENT OF WARNINGS

1. This reagent contains 0.1% sodium azide. Sodium azide under acid 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, wash excessively with water.
2. 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.
3. Never pipet by mouth and avoid contact of samples with skin and mucous membranes
4. Do not use antibody beyond the expiration date on the label.
5. Do not expose reagents to strong light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might occur.

STORAGE CONDITIONS AND STABILITY

Each reagent is stable up to the expiration date when stored at 2-8 °C. Do not freeze. Minimize exposure to light.

REAGENT PREPARATION

No reconstitution is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 20 - 25 °C prior to use.

PROCEDURE

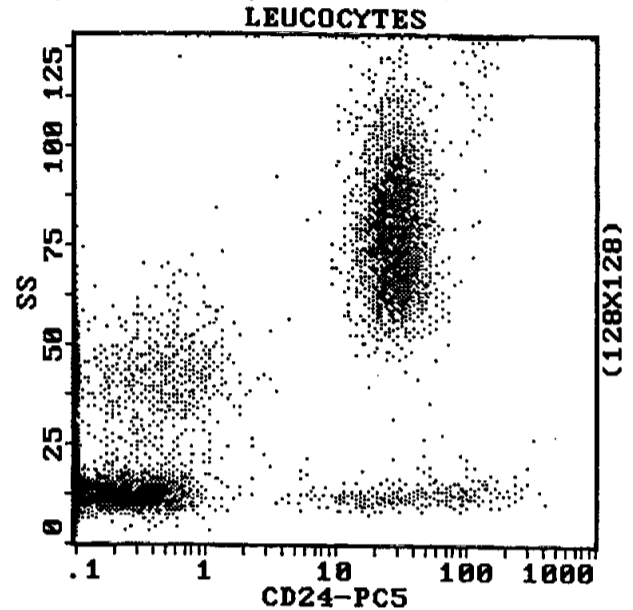
This reagent is designed for Flow Cytometry.
Assay volume: 10 µL/5 x 10⁵ cells / test or 100µL whole blood.
A wash is required to yield optimal results.

EXAMPLE DATA

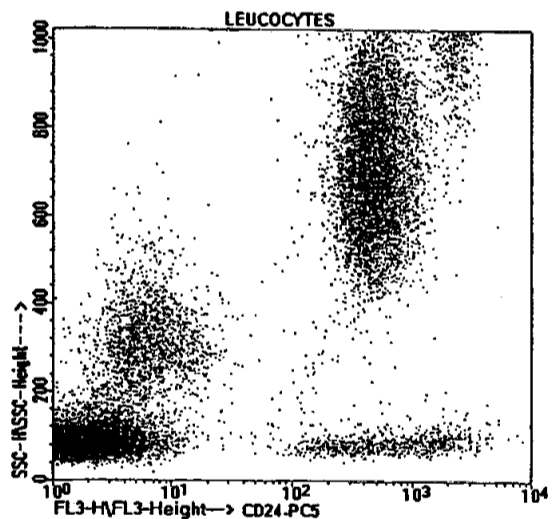
The histograms below are biparametric representations (Side Scatter versus Fluorescence Intensity) of lyzed normal whole blood sample. Staining is with CD24-PC5 monoclonal antibody (PN

IM2645) gated on leucocytes. The isotypic control labeling (PN IM2663) is not shown .

Acquisition is with a COULTER R EPICS R XL TM flow cytometer. Analysis is with the XL System II TM software.



Acquisition is with a Becton Dickinson FACScan TM flow cytometer. Analysis is with the LYSYS II TM software.



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PARTNERS IN CELL ANALYSIS



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SELECTED RESEARCH REFERENCES

1-[1643] Duperray, C., Boiron, J.M., Boucheix, C., Cantaloube, J.F., Lavabre-Bertrand, T., Attal, M., Brochier, J., Maraninchi, D., Bataille, R., Klein, B., "The CD24 antigen discriminates between pre-B and B cells in human bone marrow", 1990, J. Immunol., 11, 145, 3678-3683.

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