MONOCLONAL ANTIBODY CD24

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Form</th>
<th>Quantity</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0118</td>
<td>Purified</td>
<td>0.2 mg</td>
<td>Freeze-dried</td>
</tr>
<tr>
<td>1428</td>
<td>Phycoerythrin</td>
<td>100 tests</td>
<td>Liquid 2 ml</td>
</tr>
<tr>
<td>1848</td>
<td>PE-Cy5</td>
<td>100 tests</td>
<td>Liquid 2 ml</td>
</tr>
</tbody>
</table>

Clone
ALB 9

Isotype
IgG1 κ (mouse)

Immunogen
Human bone marrow malignant cells from a non-B, non-T acute leukemia

Hybridoma
Myeloma NS1/Ag.4.1 X Balb/c spleen cells

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 non-T, non-B acute lymphoblastic leukemias, some atypic or myeloid leukemias, or B chronic lymphocytic leukemias, and two-thirds of Epstein-Barr virus transformed cell lines.

Applications
Studies of peripheral blood B cells.

Studies have shown anti-CD24 to be useful in the classification of leukemias.

Characterization of haematopoietic differentiation.

Buffer
Freeze-dried forms: 1 mg/ml bovine serum albumin in phosphate buffered saline.

Liquid forms: 2 mg/ml bovine serum albumin in phosphate buffered saline containing 0.1% sodium azide.

Reconstitution and Storage
The freeze-dried form may be stored at 2-8°C until the expiration date. Reconstitute with 1 ml of distilled water. No preservative has been added. The reconstituted form may be stored at -20°C until the expiration date. Aliquotting is suggested to avoid multiple freeze-thaw cycles. The addition of sodium azide at 0.1% (w/v) is recommended for storage of the reconstituted form for up to one month at 2-8°C.

Conjugated forms should not be frozen and should be stored in the dark at 2 - 8°C.

June 20, 1995
**Recommended Procedures**

**Fluorescent microscopy or flow cytometry:**

- Liquid form: 20 μl/5x10^5 cells/test or 100 μl whole blood.
- Freeze-dried form: 2 μg/5x10^5 cells/test

**Limitation**  PE-Cy5 conjugates are recommended for use only on flow cytometers equipped with a 675 nm band pass filter in front of the third fluorescence detector

**Immunohistochemistry:**

- Suggested form: freeze-dried.
- Working dilution: 1:25 to 1:50

This antibody is only suitable on frozen sections or cell smears.

**References**
