

MONOCLONAL ANTIBODY CD21

Cat. No.	Form	Quantity	Presentation
0111	Purified	0.2 mg	Freeze-dried
0472	Purified	100 tests	Liquid 2 ml
0473	FITC	100 tests	Liquid 2 ml

Clone	BL13
Isotype	IgG1 (mouse)
Immunogen	Human B-CLL lymphocytes
Hybridoma	Myeloma SP2/o-Ag 1.4 x Balb/c spleen cells
Specificity	<p>The molecular weight of the recognized antigen is 140 kDa.</p> <p>Recognizes B lymphocytes located in the clear centers of the secondary lymphoid follicles of lymph nodes and tonsils.</p> <p>Negative on circulating B lymphocytes, T lymphocytes, monocytes and granulocytes.</p> <p>Reacts with B lymphocytes of certain malignant proliferations (CLL and lymphomas) and with B lymphocytic cell lines in correlation with their infection by the Epstein-Barr virus.</p>
Applications	<p>Investigation of malignant lymphocytic proliferations.</p> <p>Study of ontogeny and differentiation of human B lymphocytes.</p> <p>Detection of the Epstein-Barr virus receptor.</p> <p>Detection of the C_{3d} (CR₂).</p>
Buffer	<p>Freeze-dried forms: 1 mg/ml bovine serum albumin in phosphate buffered saline.</p> <p>Liquid forms: 2 mg/ml bovine serum albumin in phosphate buffered saline containing 0.1% sodium azide.</p>

October 10, 1994



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. Aliquoting 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.

The purified liquid form should be stored at 2 - 8°C.

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

Recommended Procedures

Fluorescent microscopy or flow cytometry:

Liquid form: 20 µl/5x10⁵ cells/test or 100 µl whole blood.

Freeze-dried form: 2 µg/5x10⁵ cells/test.

Immunohistochemistry:

Suggested form: freeze-dried.

Working dilution: 1:25 to 1:50.

This antibody is suitable on frozen sections and Bouin's-fixed paraffin sections or cell smears.

References

1) Brochier, J., Magaud, J.P. & Cordier, G., "A monoclonal antibody reactive with non-circulating human B lymphocytes". 1983, J. Immunol. Methods, **58**, M4.

2) This antibody was studied at the Human Leucocyte Workshops in Boston (1984) and Oxford (1986).