

Monoclonal Antibody CD21

PN IM0111 – Purified – Freeze-dried – 0.2 mg – Clone BL13

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

SPECIFICITY

The molecular weight of the recognized antigen is 140 kDa.

The BL13 monoclonal antibody recognizes B lymphocytes located in the clear centers of the secondary lymphoid follicles of lymph nodes and tonsils.

It does not react with circulating B lymphocytes, T lymphocytes, monocytes and granulocytes.

MAB BL13 was clustered as CD21 during the 2nd HLDA Workshop on Human Leucocyte Differentiation Antigens, held in Boston, US, in 1984 (Code WS: B35, Section B-cells/Leukaemia) (2).

It was studied during the 3rd HLDA Workshop on Human Leucocyte Differentiation Antigens, held in Oxford, England, in 1986 (Section B-cells antigens) (3).

REAGENT

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Clone	BL13
Isotype	IgG1
Immunogen	Human B-CLL lymphocytes
Hybridoma	Myeloma SP2/o-Ag 1.4 x Balb/c spleen cells
Species	Mouse
Source	ascites fluid
Purification	Protein A affinity chromatography

REAGENT CONTENTS

1 mg/ml bovine serum albumin in phosphate buffered saline.

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 with 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. Avoid microbial contamination of reagent or erroneous results may occur.

STORAGE CONDITIONS AND STABILITY

This reagent is stable up to the expiration date on the vial label when stored at 2–8°C. 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. Minimize exposure to light and warmth.

REAGENT PREPARATION

Reconstitute with 1 mL of distilled water. No preservative has been added.

APPLICATIONS

Flow cytometry

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

For each application, it is recommended to establish the right range of antibody dilutions to be used for the experiment.

SELECTED RESEARCH REFERENCES

1. Brochier, J., Magaud, J.P., Cordier, G., "A monoclonal

- antibody reactive with non-circulating human B lymphocytes", 1983, J. Immunol. Methods, 58.
2. Nadler, L.M., "B cell/leukaemia panel workshop and comments", 1985, Leucocyte Typing II, White Cell Differentiation Antigens, Rheiherz, E.L., et al., Eds., Oxford University Press, 4-43.
3. Armitage, R.J., Rawle, R.C., O'Flynn, K., Beverley, P.C.L., "Functional role of B-cell surface antigens in growth and activation of leukaemic B cells", 1987, Leucocyte Typing III, White Cell Differentiation Antigens, McMichael, A.J., et al., Eds., Oxford University Press, 451.

PRODUCT AVAILABILITY

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For additional information in the USA, call 800-526-7694.

Outside the USA, contact your local Beckman Coulter representative. www.beckmancoulter.com

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