MONOCLONAL ANTIBODY Kappa Chain

Cat. No.	Form	Quantity	Presentation
0173	Purified	0.2 mg	Freeze-dried

Clone 6E1

Isotype IgG1κ (mouse)

Immunogen Human IgG or IgG fragment emulsified in Freund's complete adjuvant

Hybridoma Myeloma P3-NS1/Ag1 X Balb/c spleen cells

Specificity Human kappa light chain.

Applications Studies have shown that kappa light chain antibody is useful in the detection of surface immunoglobulin on normal and neoplasic B cells and demonstration of the monoclonal nature of lymphoid neoplasms.

Double staining with the monoclonal antibody to human lambda chain for distinguishing cells containing a single class of light chain from those having absorbed polyclonal immunoglobulin from their environment.

Secondary reagent in monoclonal antibody screenings.

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

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.

Recommended Procedures

Immunohistochemistry:
Working dilution: 1:25
This antibody is suitable on frozen sections.

Fluorescent microscopy or flow cytometry:
Working dilution: 1:50.
20µl antibody of working dilution/$5x10^5$ cells/test or 100 µl whole blood.

References

1) Lowe, J., Hardie, D., Jefferis, R., Ling, N.R., Drysdale, P., Richardson, P. et al, "Properties of monoclonal antibodies to human immunoglobulin Kappa and Lambda chains" 1981, Immunology, **42**, 649.

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