



A Practical Guide to Monoclonal Antibodies

By J. Eryl Liddell, A. Cryer



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Includes all of the information required to produce monoclonal antibodies in the laboratory and to prepare them for use in a multitude of given applications. Production procedures are treated in chronological order, beginning with basic tissue culture techniques, immunization strategies and screening test design, followed by production of hybridoma cell lines and basic antibody characterization, purification and labeling. Each chapter contains explanatory text on each step with comparative analysis of methods where appropriate. All necessary experimental protocols are presented in a self-contained format that is easy to follow in the laboratory. Alternative protocols are provided where relevant; for others not included in full, source references are presented. Surveys the current status of human hybridoma production and antibody engineering using molecular biology techniques.



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Editorial Review

From the Publisher

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From the Back Cover

A Practical Guide to Monoclonal Antibodies J. Eryl Liddell and A. Cryer Department of Biochemistry, University of Wales College of Cardiff, UK

This book has evolved as a result of the success of the post-experience courses in monoclonal antibody technology run by the Department of Biochemistry, University of Wales College of Cardiff. The authors have designed it to provide all the information required by a competent scientist to produce monoclonal antibodies, from basic tissue culture techniques, through immunisation strategies and screening test design, to the production of hybridoma cell lines and basic antibody characterisation, purification and labelling. The protocols are presented in a clearly distinguishable format for use at the laboratory bench. The concluding chapter provides an overview of the current status of human hybridoma production and antibody engineering using techniques of molecular biology. This book is essential reading for graduates in the biological sciences and in medicine who are involved in the making and using of monoclonal antibodies in commercial, university and medical laboratories.

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