

Antibody production currently plays a major role in investigations in all areas of biological research, where antibodies are used as analytical, diagnostic and therapeutic reagents. *In vitro* production of antibodies is also proving valuable in antibody structure/function studies. This book presents background information on the principles of antibody biology and production but, more importantly, it also provides direct practical help for researchers in choosing the most effective protocols, as well as providing up-to-date protocols for both the classical methods of antibody production and purification, and more recent recombinant technologies.

The following sections are included: General introduction; Preparing immunogens; Immunization; Monoclonal antibodies; Recombinant antibodies; Purification of antibody; Characterization of antibody.

This book will be invaluable to all researchers, not just in immunology and immunopathology, but also in areas such as cell and molecular biology, microbiology and biochemistry. Antibody production. P. J. Delves, Essential Techniques Series. D. Rickwood. 1997, John Wiley & Sons, Chichester, UK, 160 pages. ISBN: 0-471-97010-7 Price at July 1997: £17.99; US \$32.50.

PII: S0960-0760(98)00017-X

Mammalian cell culture, Edited by A. Doyle and J. B. Griffiths, Essential Techniques Series. D. Rickwood. 1997, John Wiley & Sons, Chichester, UK, 190 pages. ISBN: 0-471-97057-3 Price at July 1997: £17.99; US \$32.50.

This book provides concise practical instructions for setting up a cell culture facility and operating it effectively and safely. Procedures are described to guide the readers from the initiation of primary cultures, handling established cell lines and quantifying their performance, through to the production of specialist cell types by immortalization. This is a convenient summary of techniques for experienced workers as well as an invaluable aid to tissue culture in nonspecialized environments.

The following sections are included: Introduction; Basic ingredients for media; Primary cultures; Core techniques; Core culture systems; Quality assessment of cultures; Immortalization.