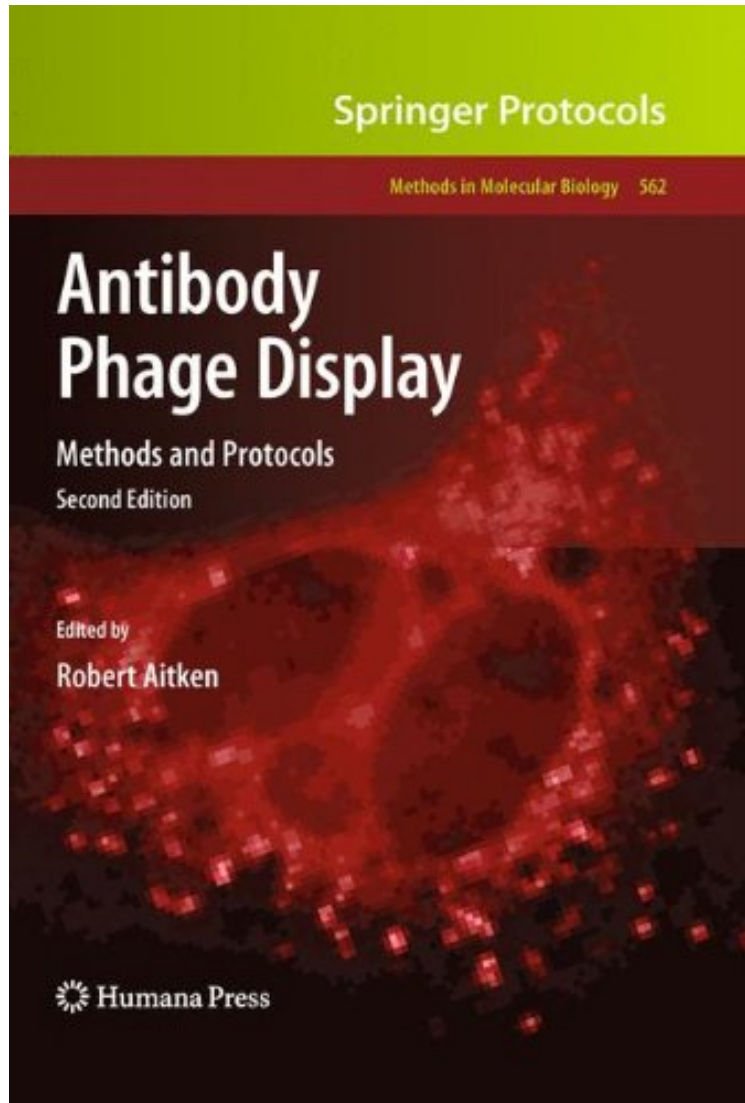


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Antibody Phage Display: Methods and Protocols (Methods in Molecular Biology)

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Since its introduction almost 20 years ago, phage display technology has revolutionized approaches to the analysis of biomedical problems, quickly impacting the fields of immunology, cell biology, biotechnology, pharmacology, and drug discovery. In *Antibody Phage Display: Methods and Protocols, Second Edition*, expert researchers explore the latest in this cutting-edge technology, providing an invaluable resource that will guide readers in the design and execution of experiments based around antibody phage display. Chapters present a wide range of methods of isolating recombinant antibodies from phage display libraries, examine how the targets recognized by antibodies of interest can be identified, discuss the identification and exploitation of antibodies that can enter cells and bind to cytosolic targets, and include novel approaches to the expression of recombinant antibodies. Composed in the highly successful *Methods in Molecular Biology* series format, each chapter contains a brief introduction, step-by-step methods, a list of necessary materials, and a Notes section which shares tips on troubleshooting and avoiding known pitfalls. Detailed and innovative, *Antibody Phage Display: Methods and Protocols, Second Edition* is a critical handbook on phage display technology which is certain to stimulate the readers imagination as much as it will guide future practice in the laboratory.

From the reviews of the second edition: This book presents a wide range of methods of isolating recombinant antibodies from phage display libraries, examining how the targets of these antibodies can be identified, and how they can be used. This is clearly a book meant for individuals in research laboratories. provide a resource for innovative investigators to help them use this methodology to answer their questions. As always, the very detailed experimental methods and the notes section with its caveats are the high points of each chapter. (Marion C. Cohen, *Doodys Service*, December, 2009) This new volume delineates more the practical applications of the technique . targets a very specific audience those who use monoclonal antibodies and are looking for a technique that can harness the power of unique epitope specificity within an easily malleable IgG domain module, together with the utility of ex vivo screening/selection from variable domain libraries . provides a superb collection of techniques, all annotated with the extensive practical hints based on personal experience that we have come to expect in this series. (Jonathan S. Duke-Cohan, *Immunology News*, May, 2010) From the Back Cover Since its introduction almost 20 years ago, phage display technology has revolutionized approaches to the analysis of biomedical problems, quickly impacting the fields of immunology, cell biology, biotechnology, pharmacology, and drug discovery. In *Antibody Phage Display: Methods and Protocols, Second Edition*, expert researchers explore the latest in this cutting-edge technology, providing an invaluable resource that will guide readers in the design and execution of experiments based around antibody phage display. Chapters present a wide range of methods of isolating recombinant antibodies from phage display libraries, examine how the targets recognized by antibodies of interest can be identified, discuss the identification and exploitation of antibodies that can enter cells and bind to cytosolic targets, and include novel approaches to the expression of recombinant antibodies. Composed in the highly successful *Methods in Molecular Biology* series format, each chapter contains a brief introduction, step-by-step methods, a list of necessary materials, and a Notes section which shares tips on troubleshooting and avoiding known pitfalls. Detailed and innovative, *Antibody Phage Display: Methods and Protocols, Second Edition* is a critical handbook on phage display technology which is certain to stimulate the readers imagination as much as it will guide future practice in the laboratory.