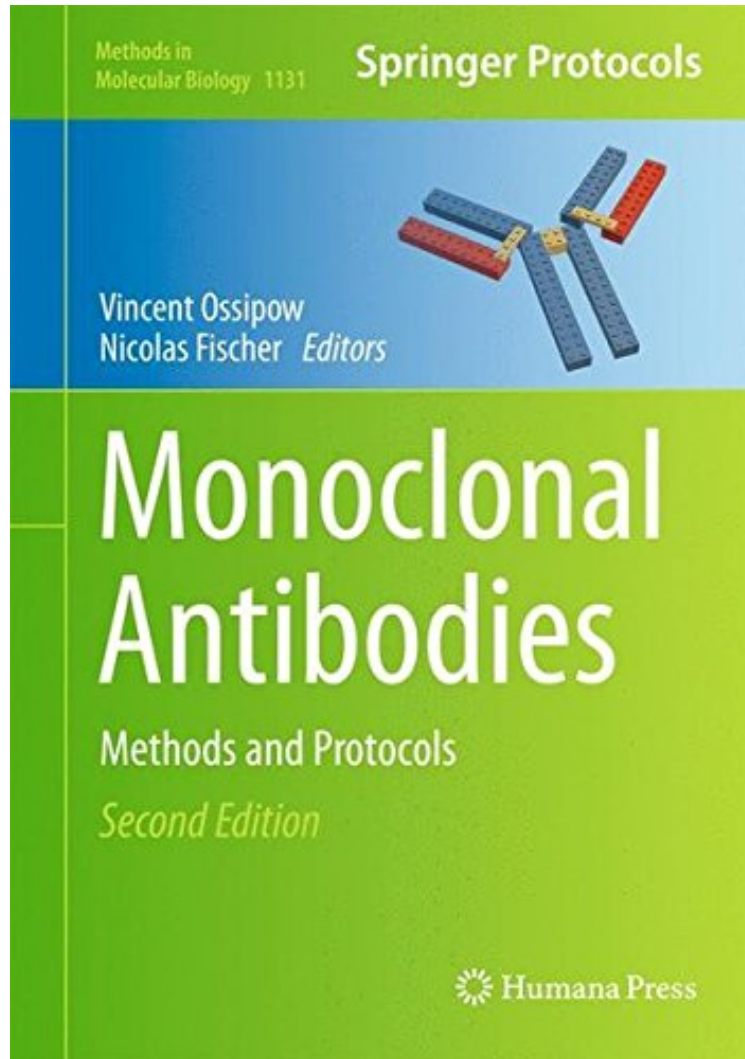


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Monoclonal Antibodies: Methods and Protocols, Second Edition expands upon the previous edition with current, detailed modern approaches to isolate and characterize monoclonal antibodies against carefully selected epitopes. This

edition includes new chapters covering the key steps to generate high quality monoclonals via different methods, from antigen generation to epitope mapping and quality control of the purified IgG. Chapters are divided into four parts corresponding to four distinct objectives. Part I covers monoclonal antibody generation, Part II deals with monoclonal antibody expression and purification, Part III presents methods for monoclonal antibody characterization and modification, and Part IV describes selected applications of monoclonal antibodies. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, *Monoclonal Antibodies: Methods and Protocols, Second Edition* provides crucial initial steps of monoclonal antibody generation and characterization with state-of-the art protocols.

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