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Sommario/riassunto

The last decade has witnessed remarkable developments in antibody research and its therapeutic applications. With the methods of molecular biology it is now possible to manipulate the specificities and activities of antibody molecules to generate an almost limitless array of structures for both basic investigations and the clinical setting. The contributions to this volume cover all three domains of the antibody: the variable regions, the relatively neglected but crucial hinge, and the constant region. These studies provide critical structural and functional information about antibodies, while also pointing the way to the construction of molecules with enhanced or even novel properties. Bringing together major experts on antibody engineering, this book is highly recommended to faculty, postdoctoral fellows and graduate students in molecular biology, microbiology, immunology, cancer research and genetics.