

1. Record Nr.	UNINA9910830911403321
Titolo	Antibodies for infectious diseases // edited by James E. Crowe, Jr., Diana Boraschi and Rino Rappuoli
Pubbl/distr/stampa	Washington, District of Columbia : , : ASM Press, , 2015 ©2015
ISBN	1-68367-340-9 1-68367-098-1 1-55581-741-6
Descrizione fisica	1 online resource (476 p.)
Disciplina	616.0798
Soggetti	Immunoglobulins Communicable diseases - Immunological aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Cover ""; ""Half Title ""; ""Title Page ""; ""Copyright ""; ""Contents ""; ""Contributors ""; ""Preface ""; ""INTRODUCTION""; ""Chapter 1: History and Practice: Antibodies in Infectious Diseases""; ""HISTORICAL PERSPECTIVE""; ""INTRODUCTION TO ANTIBODIES""; ""METHODS AND PLATFORMS FOR GENERATING ANTIBODIES""; ""STRATEGIC CONSIDERATIONS IN DEVELOPING ANTIBODY-BASED THERAPIES FOR INFECTIOUS DISEASES""; ""EXAMPLES OF ANTIBODIES THAT ARE OR WERE IN DEVELOPMENT FOR INFECTIOUS DISEASES""; ""FUTURE PERSPECTIVES FOR ANTIBODY TREATMENTS IN INFECTIOUS DISEASES""; ""ACKNOWLEDGMENT""; ""CITATION""; ""REFERENCES""""GENERAL FEATURES OF IMMUNOGLOBULINS""; ""Chapter 2: Functions of Antibodies""; ""INTRODUCTION""; ""ANTIBODY FUNCTIONS INDEPENDENT OF EFFECTOR CELLS OR EFFECTOR MOLECULES""; ""INHIBITION OF LATER STEPS""; ""ANTIBODY FUNCTIONS DEPENDENT ON COMPLEMENT""; ""ANTIBODY FUNCTIONS DEPENDENT ON Fc-Fc RECEPTOR INTERACTIONS""; ""OTHER ANTIBODY FUNCTIONS""; ""CONCLUSIONS""; ""ACKNOWLEDGMENTS""; ""CITATION""; ""REFERENCES""; ""Chapter 3: Antibody Structure""; ""BASICS OF ANTIBODY STRUCTURE""; ""CDR H3: SIZE AND

SUBTERFUGE"; "HEAVY CHAIN DOMINATION AND FRAMEWORK CONTACTS"

"DISULFIDES IN THE CDRs"; "SELF-CARBOHYDRATE RECOGNITION: PENETRATING THE GLYCAN SHIELD"; "UNUSUAL INDELS"; "MECHANISMS OF ANTIBODY NEUTRALIZATION"; "SUMMARY"; "ACKNOWLEDGMENT"; "CITATION"; "REFERENCES"; "Chapter 4: The Role of Complement in Antibody Therapy for Infectious Diseases"; "INTRODUCTION"; "COMPLEMENT ACTIVATION"; "Ab-MEDIATED COMPLEMENT ACTIVATION"; "EFFECTOR RESPONSES AND THEIR ROLE IN MAb TREATMENTS"; "MANIPULATING Ab-MEDIATED COMPLEMENT RESPONSES"; "COMPLEMENT EVASIVE PROPERTIES OF PATHOGENS"; "CONCLUSIONS AND FUTURE PERSPECTIVE" "ACKNOWLEDGMENTS"; "CITATION"; "REFERENCES"; "Chapter 5: Immunoglobulin E and Allergy: Antibodies in Immune Inflammation and Treatment"; "IMMUNOLOGICAL MECHANISMS OF ALLERGIC DISEASES AND THE ROLE OF IgE ANTIBODIES"; "IgE ANTIBODIES IN INFECTIOUS DISEASES"; "ANTIBODIES IN THE TREATMENT OF ALLERGIES"; "THE OPPOSITE SIDE OF THE COIN: HARNESSING THE ALLERGIC RESPONSE AGAINST CANCER AND THE EMERGENCE OF ANTIBODIES OF THE IgE CLASS FOR CANCER THERAPY"; "CONCLUDING REMARKS AND FUTURE ROLES OF ANTIBODIES IN THERAPY"; "ACKNOWLEDGMENTS"; "CITATION"; "REFERENCES" "ANTIBODY DISCOVERY APPROACHES"; "Chapter 6: Phage and Yeast Display"; "DISCOVERY OF THERAPEUTIC ANTIBODIES USING PHAGE DISPLAY TECHNOLOGY"; "DISCOVERY OF THERAPEUTIC ANTIBODIES USING YEAST DISPLAY TECHNOLOGY"; "CONCLUSIONS"; "ACKNOWLEDGMENT"; "CITATION"; "REFERENCES"; "Chapter 7: Efficient Methods To Isolate Human Monoclonal Antibodies from Memory B Cells and Plasma Cells"; "MANY WAYS TO MAKE HUMAN MONOCLONAL ANTIBODIES"; "EFFICIENT IMMORTALIZATION OF MEMORY B CELLS BY USING EBV AND CpG" "LONG-TERM CULTURE OF SINGLE PLASMA CELLS AND THEIR INTERROGATION USING MULTIPLE ASSAYS"
