CONTENTS

CHAPTER 21

CHAPTER 1	Properties and Overview of Immune Responses 1
CHAPTER 2	Cells and Tissues of the Immune System 13
CHAPTER 3	Leukocyte Circulation and Migration into Tissues 39
CHAPTER 4	Innate Immunity 57
CHAPTER 5	Antibodies and Antigens 97
CHAPTER 6	Antigen Presentation to T Lymphocytes and the Functions of Major Histocompatibility Complex Molecules 117
CHAPTER 7	Immune Receptors and Signal Transduction 145
CHAPTER 8	Lymphocyte Development and Antigen Receptor Gene Rearrangement 179
CHAPTER 9	Activation of T Lymphocytes 209
CHAPTER 10	Differentiation and Functions of CD4 ⁺ Effector T Cells 225
CHAPTER 11	Differentiation and Functions of CD8 ⁺ Effector T Cells 243
CHAPTER 12	B Cell Activation and Antibody Production 251
CHAPTER 13	Effector Mechanisms of Humoral Immunity 275
CHAPTER 14	Specialized Immunity at Epithelial Barriers and in Immune Privileged Tissues 299
CHAPTER 15	Immunologic Tolerance and Autoimmunity 325
CHAPTER 16	Immunity to Microbes 351
CHAPTER 17	Transplantation Immunology 373
CHAPTER 18	Immunity to Tumors 397
CHAPTER 19	Hypersensitivity Disorders 417
CHAPTER 20	Allergy 437

Congenital and Acquired Immunodeficiencies

459

Glossary 489

Appendices

- I Cytokines 519
- II Principal Features of Selected CD Molecules 523
- III Laboratory Techniques Commonly Used in Immunology 531

CONTENTS