
Contents

Preface	v
Contributors	xi

I DATABASES

1 HLA Informatics: <i>Accessing HLA Sequences from Sequence Databases</i> James Robinson and Steven G. E. Marsh	3
2 Accessing HLA Sequencing Data Through the 6ace Database Roger Horton and Stephan Beck	23

II POLYMORPHISM IN CLASSICAL AND NONCLASSICAL HLA GENES

3 HLA Typing by Restriction Fragment Length Polymorphism Analysis Robert W. Vaughan	45
4 PCR–Restriction Fragment Length Polymorphism Typing of Class I and II Alleles Robert W. Vaughan	61
5 PCR–Sequence-Specific Oligonucleotide Probe Typing for HLA-A, -B, and -DR Derek Middleton and F. Williams	67
6 HLA-DPA1 and -DPB1 Typing Using the PCR and Nonradioactive Sequence-Specific Oligonucleotide Probes Lori L. Steiner, Priscilla V. Moonsamy, Teodorica L. Bugawan, and Ann B. Begovich	113
7 PCR–Sequence-Specific Primer Typing of HLA Class I and Class II Alleles Mike Bunce	143

8	HLA Typing With Reference Strand-Mediated Conformation Analysis <i>J. Rafael Argüello, Martha Pérez-Rodríguez, Andrea Pay, Gaby Fisher, Alasdair McWhinnie, and J. Alejandro Madrigal</i>	173
9	Sequencing Protocols for Detection of HLA Class I Polymorphism <i>Paul P. J. Dunn, Steven T. Cox, and Ann-Margaret Little</i>	191
10	HLA-E and HLA-G Typing <i>Jorge Martinez-Laso, Eduardo Gomez-Casado, and Antonio Arnaiz-Villena</i>	223
11	Typing Alleles of HLA-DM <i>Hélène Teisserenc</i>	237
III POLYMORPHISM IN NON-HLA MHC GENES		
12	Typing Alleles of <i>TAP1</i> and <i>TAP2</i> <i>Stephen H. Powis</i>	249
13	Determining Alleles of the <i>C2</i> Gene by Southern Blotting <i>Zeng-Bian Zhu and John E. Volanakis</i>	259
14	Complement <i>C4</i> Protein and DNA Typing Methods <i>Peter M. Schneider and Gottfried Mauff</i>	269
15	Typing of Tumor Necrosis Factor Alleles <i>Anthony Gerard Wilson</i>	297
16	Molecular Typing of the MHC Class I Chain-Related Gene Locus <i>R. W. M. Collins, Henry A. F. Stephens, and Robert W. Vaughan</i>	305
IV MICROSATELLITES		
17	HLA Microsatellite Analysis <i>Mary Carrington</i>	325
	Index	333



<http://www.springer.com/978-0-89603-548-5>

MHC Protocols

Powis, S.H.; Vaughan, R.W. (Eds.)

2003, XII, 340 p., Hardcover

ISBN: 978-0-89603-548-5

A product of Humana Press