

CLASS I

Parent Ag	Splits
A9	A23, A24
A10	A25, A26, A34, A66, A43*
A19	A29, A30, A31, A32, A33, A74**
A28	A68, A69
B5	B51, B52
B12	B44, B45
B14	B64, B65
B15	B62, B63, B75, B76, B77
B16	B38, B39
B17	B57, B58
B21	B49, B50
B22	B54, B55, B56
B40	B60, B61
B70	B71, B72
Cw3	Cw9, Cw10

* A43 can be negative and still call parent A10
 ** A74 can be negative and still call parent A19

Bw6	Bw4	No Bw4/Bw6 assoc.
B7	B27	
B8	B37	B13
B18	B38	B46
B2708	B44	B73
B35	B47	
B39	B49	
B41	B5102	
B42	B51	
B45	B52	
B48	B53	
B50	B57	
B54	B58	
B55	B59	
B56	B63	
B60	B77	
B61		
B62		
B64		
B65		
B67		
B71		
B72		
B75		
B76		
B78		
B81		
B82		

For Bw4 & Bw6, if some Ag in positive and some in possible, list Bw4/Bw6 as positive.

Bead specificity	Antigen Call
A*01:01	A1
A*02:01	A2
A*02:03	A203 if only positive bead
A*02:06	ASP if only positive bead
A*03:01	A3
A*11:01	A11
A*11:02	ASP if only positive bead
A*23:01	A23
A*24:02	A24
A*24:03	A2403 if only positive bead
A*25:01	A25
A*26:01	A26
A*29:01	A29
A*29:02	A29
A*30:01	A30
A*30:02	A30
A*31:01	A31
A*32:01	A32
A*33:01	A33
A*33:03	A33
A*34:01	A34
A*34:02	A34
A*36:01	A36
A*43:01	A43
A*66:01	A66
A*66:02	A66
A*68:01	A68
A*68:02	ASP if only positive bead
A*69:01	A69
A*74:01	A74
A*80:01	A80

Bead specificity	Antigen Call
C*01:02	Cw1
C*02:02	Cw2
C*03:02	Cw10
C*03:03	Cw9
C*03:04	Cw10
C*04:01	Cw4
C*05:01	Cw5
C*06:02	Cw6
C*07:02	Cw7
C*08:01	Cw8
C*12:03	Cw12
C*14:02	Cw14
C*15:02	Cw15
C*16:01	Cw16
C*17:01	Cw17
C*18:02	Cw18

Bead specificity	Antigen Call
B*07:02	B7,Bw6
B*08:01	B8,Bw6
B*13:01	B13
B*13:02	B13
B*14:01	B64,Bw6
B*14:02	B65,Bw6
B*15:01	B62,Bw6
B*15:02	B75,Bw6
B*15:03	B72,Bw6
B*15:10	B71,Bw6
B*15:11	B75,Bw6
B*15:12	B76,Bw6
B*15:13	B77,Bw4
B*15:16	B63,Bw4
B*18:01	B18,Bw6
B*27:05	B27,Bw4
B*27:08	B2708,Bw6
B*35:01	B35,Bw6
B*37:01	B37,Bw4
B*38:01	B38,Bw4
B*39:01	B39,Bw6
B*40:01	B60,Bw6
B*40:02	B61,Bw6
B*40:06	B61,Bw6
B*41:01	B41,Bw6
B*42:01	B42,Bw6
B*44:02	need both to call B44
B*44:03	need both to call B44
B*45:01	B45,Bw6
B*46:01	B46
B*47:01	B47,Bw4
B*48:01	B48,Bw6
B*49:01	B49,Bw4
B*50:01	B50,Bw6
B*51:01	B51,Bw4
B*51:02	B5102,Bw4
B*52:01	B52,Bw4
B*53:01	B53,Bw4
B*54:01	B54,Bw6
B*55:01	B55,Bw6
B*56:01	B56,Bw6
B*57:01	B57,Bw4
B*57:03	ASP if only positive bead
B*58:01	B58,Bw4
B*59:01	B59,Bw4
B*67:01	B67,Bw6
B*73:01	B73
B*78:01	B78,Bw6
B*81:01	B81,Bw6
B*82:01	B82,Bw6

Ag vs ASP Chart - updated 5/10/16

Based on SAB Class I lot 9

CLASS II

Bead specificity	Antigen Call
DRB1*01:01	need both to call DR1
DRB1*01:02	need both to call DR1
DRB1*01:03	DR103
DRB1*03:01	DR17
DRB1*03:02	DR18
DRB1*04:01	need all to call DR4
DRB1*04:02	need all to call DR4
DRB1*04:03	need all to call DR4
DRB1*04:04	need all to call DR4
DRB1*04:05	need all to call DR4
DRB1*07:01	DR7
DRB1*08:01	DR8
DRB1*09:01	DR9
DRB1*09:02	ASP if only positive bead
DRB1*10:01	DR10
DRB1*11:01	DR11
DRB1*11:04	ASP if only positive bead
DRB1*12:01	need both to call DR12
DRB1*12:02	need both to call DR12
DRB1*13:01	DR13
DRB1*13:03	ASP if only positive bead
DRB1*14:01	DR14
DRB1*14:54	DR14
DRB1*14:02	ASP if only positive bead
DRB1*15:01	need all to call DR15
DRB1*15:02	need all to call DR15
DRB1*15:03	need all to call DR15
DRB1*16:01	Need both to call DR16
DRB1*16:02	Need both to call DR16

DRB3*01:01	Need all to call DR52
DRB3*02:02	Need all to call DR52
DRB3*03:01	Need all to call DR52
DRB4*01:01	Need both to call DR53
DRB4*01:03	Need both to call DR53
DRB5*01:01	need both to call DR51
DRB5*02:02	need both to call DR51

Parent Ag	Splits
DR2	DR15, DR16
DR3	DR17, DR18
DR5	DR11, DR12
DR6	DR13, DR14
DQ1	DQ5, DQ6
DQ3	DQ7, DQ8 DQ9

Ag vs ASP Chart - updated 5/10/16

Based on SAB Class II lot 11

Bead specificity	Antigen Call
DQA1*02:01/DQB1*02:01	Need all to call DQ2
DQA1*02:01/DQB1*02:02	Need all to call DQ2
DQA1*03:01/DQB1*02:01	Need all to call DQ2
DQA1*04:01/DQB1*02:01	Need all to call DQ2
DQA1*05:01/DQB1*02:01	Need all to call DQ2
DQA1*02:01/DQB1*04:01	Need all to call DQ4
DQA1*03:03/DQB1*04:01	Need all to call DQ4
DQA1*02:01/DQB1*04:02	Need all to call DQ4
DQA1*04:01/DQB1*04:02	Need all to call DQ4
DQA1*01:01/DQB1*05:01	Need both to call DQ5
DQA1*01:02/DQB1*05:02	Need both to call DQ5
DQA1*01:03/DQB1*06:01	Need all to call DQ6
DQA1*01:01/DQB1*06:02	Need all to call DQ6
DQA1*01:02/DQB1*06:02	Need all to call DQ6
DQA1*01:03/DQB1*06:03	Need all to call DQ6
DQA1*01:02/DQB1*06:04	Need all to call DQ6
DQA1*01:02/DQB1*06:09	Need all to call DQ6
DQA1*02:01/DQB1*03:01	Need all to call DQ7
DQA1*03:01/DQB1*03:01	Need all to call DQ7
DQA1*05:03/DQB1*03:01	Need all to call DQ7
DQA1*05:05/DQB1*03:01	Need all to call DQ7
DQA1*06:01/DQB1*03:01	Need all to call DQ7
DQA1*02:01/DQB1*03:02	Need all to call DQ8
DQA1*03:01/DQB1*03:02	Need all to call DQ8
DQA1*03:02/DQB1*03:02	Need all to call DQ8
DQA1*02:01/DQB1*03:03	Need all to call DQ9
DQA1*03:01/DQB1*03:03	Need all to call DQ9
DQA1*03:02/DQB1*03:03	Need all to call DQ9

DQA1*ST456			
DO NOT CALL DQA1*ST456 in Test Results			
If all alleles present, call:			
DQA1*04:01			
DQA1*05	DQA1*05:01	DQA1*05:03	DQA1*05:05
DQA1*06:01			

Bead specificity	Antigen Call
DPA1*01:03/DPB1*01:01	Need both to call DP1
DPA1*02:01/DPB1*01:01	Need both to call DP1
DPA1*01:03/DPB1*02:01	DPB1*02:01
DPA1*01:03/DPB1*03:01	Need all to call DP3
DPA1*01:05/DPB1*03:01	Need all to call DP3
DPA1*02:01/DPB1*03:01	Need all to call DP3
DPA1*01:03/DPB1*04:01	DPB1*04:01
DPA1*01:03/DPB1*04:02	DPB1*04:02
DPA1*02:01/DPB1*05:01	Need both to call DP5
DPA1*02:02/DPB1*05:01	Need both to call DP5
DPA1*01:03/DPB1*06:01	Need both to call DP6
DPA1*02:01/DPB1*06:01	Need both to call DP6
DPA1*02:01/DPB1*09:01	DP9
DPA1*02:02/DPB1*10:01	DP10
DPA1*01:03/DPB1*11:01	Need both to call DP11
DPA1*02:02/DPB1*11:01	Need both to call DP11
DPA1*02:01/DPB1*13:01	Need all to call DP13
DPA1*02:02/DPB1*13:01	Need all to call DP13
DPA1*03:01/DPB1*13:01	Need all to call DP13
DPA1*02:01/DPB1*14:01	DP14
DPA1*02:01/DPB1*15:01	DP15
DPA1*02:01/DPB1*17:01	DP17
DPA1*01:04/DPB1*18:01	Need all to call DP18
DPA1*01:05/DPB1*18:01	Need all to call DP18
DPA1*02:01/DPB1*18:01	Need all to call DP18
DPA1*01:03/DPB1*19:01	DP19
DPA1*03:01/DPB1*20:01	DP20
DPA1*01:03/DPB1*23:01	DP23
DPA1*01:03/DPB1*28:01	Need all to call DP28
DPA1*01:05/DPB1*28:01	Need all to call DP28
DPA1*04:01/DPB1*28:01	Need all to call DP28

Group	If all alleles positive in group, call:			
DQA1*02	DQA1*02	DQA1*02:01	DQA1*02:02	
DQA1*03	DQA1*03	DQA1*03:01	DQA1*03:02	DQA1*03:03
DQA1*05	DQA1*05	DQA1*05:01	DQA1*05:03	DQA1*05:05
DPA1*02	DPA1*02	DPA1*02:01	DPA1*02:02	

Quick Guide for Ag vs ASP			
Positive	Possible	Negative	Calls
Yes	No	No	Call Ag in positive range
Yes	Yes	No	Call Ag in positive range
Yes	No	Yes (≥50%)	Call ASP in positive range
Yes	No	Yes (<50%)	Call ASP in positive range and call the Ag in possible range
Yes	Yes	Yes (<50%)	Call ASP in positive range and call the Ag in possible range
Yes	Yes	Yes (≥50%)	Call ASP in positive range and ASP in possible range
No	Yes (≥50%)	Yes	Call Ag in possible range
No	Yes (<50%)	Yes	Call ASP in possible range
No	Yes	No	Call Ag in possible range

Notes:

- "Bead Specificity vs Antigen Call" Chart is for Positive range only. See "Quick Guide" above for possible range calls.
- ASP A*11:02, A*68:02, B*44:02, B*44:03, DQB1*05:01, and DQB1*05:02 are all different and should always be called as ASP if any occur alone.
- Always call DPB1*02:01, DPB1*02:02, DPB1*04:01, and DPB1*04:02 as allele specific, even if all alleles are reactive.