



**ABID CASE #22**

**Questions:**

1. Develop a hypothesis or hypotheses regarding the identity of this antibody or antibodies.
2. Is any further workup needed to prove it? If so, select cells from the following panels to resolve the problem.

**Additional cells**

Lot #8RA179		Rh system						Kell						Duffy		Kidd		Xg	Lewis		MNSs				P	Lutheran		Other				
Cell	Rh	D	C	E	c	e	V	K	k	Kp <sup>a</sup>	Kp <sup>b</sup>	Js <sup>a</sup>	Js <sup>b</sup>	Fy <sup>a</sup>	Fy <sup>b</sup>	JK <sup>a</sup>	JK <sup>b</sup>	Xg <sup>a</sup>	Le <sup>a</sup>	Le <sup>b</sup>	S	s	M	N	P1	Lu <sup>a</sup>	Lu <sup>b</sup>	Typings	Cell	Gell		
1	R1wR1	+	+	0	0	+	0	0	+	0	+	0	+	+	+	0	+	0	+	+	0	+	+	+	0	+	+	C <sup>w</sup>	1			
2	R1R1	+	+	0	0	+	0	0	+	0	+	0	+	+	0	0	+	+	0	+	0	+	+	0	0	0	+		2			
3	R2R2	+	0	+	+	0	0	0	+	0	+	0	+	0	+	+	+	0	0	+	0	+	+	0	+s	0	+		3			
4	Ror	+	0	0	+	+	+	0	+	0	+	0	+	0	0	+	+	+	0	0	0	+	0	+	+s	0	+		4			
5	r'r	0	+	0	+	+	0	0	+	0	+	0	+	0	+	+	0	0	+	0	+	0	+	+	0	+	+		5			
6	r''r	0	0	+	+	+	0	0	+	0	+	0	+	+	+	+	+	+	0	+	+	0	+	+	+	0	+		6			
7	rr	0	0	0	+	+	0	+	+	0	+	0	+	0	+	+	0	+	0	0	0	+	+	+	+	0	+		7			
8	rr	0	0	0	+	+	0	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+	0	+		8			
9	rr	0	0	0	+	+	0	0	+	0	+	0	+	+	0	+	+	+	0	+	+	0	+	0	0	+	+		9			
10	rr	0	0	0	+	+	0	0	+	0	+	0	+	0	+	+	+	0	+	0	+	0	+	0	0	+	+		10			
11	R1R1	+	+	0	0	+	0	+	+	0	+	0	+	0	+	0	+	0	+	+	+	+	+	+	0	+	+		11			
Lot #8RB178		Rh system						Kell						Duffy		Kidd		Xg	Lewis		MNSs				P	Lutheran		Other				
Cell	Rh	D	C	E	c	e	V	K	k	Kp <sup>a</sup>	Kp <sup>b</sup>	Js <sup>a</sup>	Js <sup>b</sup>	Fy <sup>a</sup>	Fy <sup>b</sup>	JK <sup>a</sup>	JK <sup>b</sup>	Xg <sup>a</sup>	Le <sup>a</sup>	Le <sup>b</sup>	S	s	M	N	P1	Lu <sup>a</sup>	Lu <sup>b</sup>	Typings	Cell	Gel		
12	rr	0	0	0	+	+	0	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	0	0	+		12			
13	rr	0	0	0	+	+	0	0	+	0	+	0	+	+	0	0	+	0	0	+	+	+	+	+	+s	+	+		13			
14	rr	0	0	0	+	+	0	+	+	0	+	0	+	+	0	+	+	+	+	0	0	+	0	+	0	0	+		14			
15	R2R2	+	0	+	+	0	0	0	+	0	+	0	+	+	0	+	+	+	0	0	0	+	+	+	0	0	+		15			
16	R2R2	+	0	+	+	0	0	0	+	0	+	0	+	0	+	0	+	+	+	0	+	0	+	+	+	0	+		16			
17	R2R2	+	0	+	+	0	0	0	+	0	+	0	+	0	+	+	0	+	0	+	0	+	+	+	+	0	+		17			
18	R1wR1	+	+	0	0	+	0	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	+	+	+s	0	+		18			
19	R1R1	+	+	0	0	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	0	+	+	0	+s	0	+		19			
20	RzR1	+	+	+	0	+	0	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	+	+	+	0	+		20			
21	r''r	0	0	+	+	+	0	0	+	+	+	0	+	0	+	+	+	+	+	0	+	0	+	+	+s	0	+		21			
22	R1R1	+	+	0	0	+	0	+	0	0	+	0	+	+	+	0	+	0	+	+	+	+	+	0	+	0	+		22			
Patient																												AC				

3. Does this antibody(ies) cause hemolytic transfusion reactions? Hemolytic disease of the newborn?
4. How would we select blood for the patient in this case? What percentage of Caucasian donors would be compatible? African-American donors?