

Table of blood group systems v5.1_180207

No.	System name	System symbol	Gene name(s)*	Number of antigens	Chromosomal location	CD numbers
001	ABO	ABO	<i>ABO</i>	4	9q34.2	
002	MNS	MNS	<i>GYPA, GYPB, (GYPE)</i>	49	4q31.21	CD235a CD235b
003	P1PK	P1PK	<i>A4GALT</i>	3	22q13.2	CD77
004	Rh	RH	<i>RHD, RHCE</i>	55	1p36.11	CD240
005	Lutheran	LU	<i>BCAM</i>	24	19q13.2	CD239
006	Kell	KEL	<i>KEL</i>	36	7q33	CD238
007	Lewis	LE	<i>FUT3</i>	6	19p13.3	
008	Duffy	FY	<i>ACKR1</i>	5	1q21-q22	CD234
009	Kidd	JK	<i>SLC14A1</i>	3	18q11-q12	
010	Diego	DI	<i>SLC4A1</i>	22	17q21.31	CD233
011	Yt	YT	<i>ACHE</i>	3	7q22	
012	Xg	XG	<i>XG, MIC2</i>	2	Xp22.32	CD99+
013	Scianna	SC	<i>ERMAP</i>	7	1p34.2	
014	Dombrock	DO	<i>ART4</i>	10	12p13-p12	CD297
015	Colton	CO	<i>AQP1</i>	4	7p14	
016	Landsteiner-Wiener	LW	<i>ICAM4</i>	3	19p13.2	CD242
017	Chido/Rodgers	CH/RG	<i>C4A, C4B</i>	9	6p21.3	
018	H	H	<i>FUT1</i>	1	19q13.33	CD173

Table of blood group systems v5.1_180207

No.	System name	System symbol	Gene name(s)*	Number of antigens	Chromosomal location	CD numbers
019	Kx	XK	<i>XK</i>	1	Xp21.1	
020	Gerbich	GE	<i>GYPC</i>	11	2q14-q21	CD236
021	Cromer	CROM	<i>CD55</i>	19	1q32	CD55
022	Knops	KN	<i>CR1</i>	9	1q32.2	CD35
023	Indian	IN	<i>CD44</i>	5	11p13	CD44
024	Ok	OK	<i>BSG</i>	3	19p13.3	CD147
025	Raph	RAPH	<i>CD151</i>	1	11p15.5	CD151
026	John Milton Hagen	JMH	<i>SEMA7A</i>	6	15q22.3-q23	CD108
027	I	I	<i>GCNT2</i>	1	6p24.2	
028	Globoside	GLOB	<i>B3GALNT1</i>	2	3q25	
029	Gill	GIL	<i>AQP3</i>	1	9p13	
030	Rh-associated glycoprotein	RHAG	<i>RHAG</i>	4	6p12.3	CD241
031	FORS	FORS	<i>GBGT1</i>	1	9q34.13-q34.3	
032	JR	JR	<i>ABCG2</i>	1	4q22.1	CD338
033	LAN	LAN	<i>ABCB6</i>	1	2q36	
034	Vel	VEL	<i>SMIM1</i>	1	1p36.32	
035	CD59	CD59	<i>CD59</i>	1	11p13	CD59
036	Augustine	AUG	<i>SLC29A1</i>	2	6p21.1	

*As defined by the HUGO Gene Nomenclature Committee <http://www.genenames.org/>. †MIC2 product. () no gene product on normal RBCs