

Table of blood group systems v12.0 31-MAY-2025

No.	Systemname	System symbol	Gene name(s)*	LRG	Number of antigens	Chromosomal location	CD numbers
001	ABO	ABO	<i>ABO</i>	792	4	9q34.2	
002	MNS	MNS	<i>GYPA, GYPB, [GYPE]</i>	793; 794	50	4q31.21	CD235a CD235b
003	P1PK	P1PK	<i>A4GALT</i>	795	3	22q13.2	CD77
004	Rh	RH	<i>RHD, RHCE</i>	796; 797	56	1p36.11	CD240
005	Lutheran	LU	<i>BCAM</i>	798	29	19q13.2	CD239
006	Kell	KEL	<i>KEL</i>	799	38	7q33	CD238
007	Lewis	LE	<i>FUT3</i>	800	6	19p13.3	
008	Duffy	FY	<i>ACKR1</i>	801	5	1q21-q22	CD234
009	Kidd	JK	<i>SLC14A1</i>	802	3	18q11-q12	
010	Diego	DI	<i>SLC4A1</i>	803	23	17q21.31	CD233
011	Yt	YT	<i>ACHE</i>	804	6	7q22	
012	Xg	XG	<i>XG, CD99</i>	805; 1023	2	Xp22.32	CD99 ⁺
013	Scianna	SC	<i>ERMAP</i>	806	11	1p34.2	
014	Dombrock	DO	<i>ART4</i>	807	10	12p13-p12	CD297
015	Colton	CO	<i>AQP1</i>	808	4	7p14	
016	Landsteiner-Wiener	LW	<i>ICAM4</i>	809	4	19p13.2	CD242

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017	Chido/Rodgers	CH/RG	<i>C4A,C4B</i>	137;138	9	6p21.3	
018	H	H	<i>FUT1, FUT2</i>	810;811	1	19q13.33	CD173
019	Kx	XK	<i>XK</i>	812	1	Xp21.1	
020	Gerbich	GE	<i>GYPC</i>	813	13	2q14-q21	CD236
021	Cromer	CROM	<i>CD55</i>	127	21	1q32	CD55
022	Knops	KN	<i>CR1</i>	814	14	1q32.2	CD35
023	Indian	IN	<i>CD44</i>	815	6	11p13	CD44
024	Ok	OK	<i>BSG</i>	816	3	19p13.3	CD147
025	Raph	RAPH	<i>CD151</i>	817	1	11p15.5	CD151
026	JohnMiltonHagen	JMH	<i>SEMA7A</i>	818	8	15q22.3-q23	CD108
027	I	I	<i>GCNT2</i>	819	1	6p24.2	
028	Globoside	GLOB	<i>B3GALNT1</i>	820	3	3q25	
029	Gill	GIL	<i>AQP3</i>	821	1	9p13	
030	Rh-associated glycoprotein	RHAG	<i>RHAG</i>	822	6	6p12.3	CD241
031	FORS	FORS	<i>GBGT1</i>	826	1	9q34.13-q34.3	
032	JR	JR	<i>ABCG2</i>	823	1	4q22.1	CD338
033	LAN	LAN	<i>ABCB6</i>	824	1	2q36	

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034	Vel	VEL	<i>SMIM1</i>	827	1	1p36.32	
035	CD59	CD59	<i>CD59</i>	41	1	11p13	CD59
036	Augustine	AUG	<i>SLC29A1</i>	1027	4	6p21.1	
037	Kanno	KANNO	<i>PRNP</i>		1	20p13	
038	SID	SID	<i>B4GALNT2</i>		1	17q21.32	
039	CTL2	CTL2	<i>SLC44A2</i>		5	19p13.2	
040	PEL	PEL	<i>ABCC4</i>	1183	1	13q32.1	
041	MAM	MAM	<i>EMP3</i>		1	19q13.33	
042	EMM	EMM	<i>PIGG</i>		1	4p16.3	
043	ABCC1	ABCC1	<i>ABCC1</i>		1	16p13.11	
044	Er	ER	<i>PIEZO1</i>	1137	5	16q24.3	
045	CD36	CD36	<i>CD36</i>		1	7q21.11	CD36
046	ATP11C	ATP11C	<i>ATP11C</i>		1	Xq27.1	
047	MAL	MAL	<i>MAL</i>		1	2q11.1	
048	PIGZ	PIGZ	<i>PIGZ</i>	none	1	3q29	

*As defined by the HUGO Gene Nomenclature Committee <http://www.genenames.org/>

†MIC2 product. [] = no gene product on normal RBCs.