

Names for JMH (ISBT 026) Blood Group Alleles

General description: The JMH blood group system consists of six antigens carried on a GPI-linked glycoprotein (CD108, Semaphorin, SEMA7A) that consists of 656 amino acids. It has a leader sequence of 44 amino acids and a GPI motif of 19 amino acids, both of which are cleaved from the membrane bound protein.

Gene name: *JMH*
 Number of exons: 14
 Initiation codon: Beginning of exon 1
 Stop codon: Within exon 14
 Entrez Gene ID: 8482
 LRG sequence: NG_011733.1 (genomic)
 NM_003612.3 (transcript)
 Reference allele: Preferred: *JMH*01* (shaded)
 Acceptable: *JMH* if inferred by haemagglutination

Reference allele <i>JMH*01</i> encodes JMH1, JMH2, JMH3, JMH4, JMH5, JMH6				
Phenotype	Allele name	Nucleotide change	Exon	Predicted amino acid change
JMH:1 or JMH+	<i>JMH*01</i>			
JMH:-2 or JMHK-	<i>JMH*01.-02</i>	c.619C>T	6	p.Arg207Trp
JMH:-3 or JMHL-	<i>JMH*01.-03</i>	c.620G>A	6	p.Arg207Gln
JMH:-4 or JMHG-	<i>JMH*01.-04</i>	c.1379G>A	11	p.Arg460His
JMH:-5 or JMHM-	<i>JMH*01.-05</i>	c.1381C>T	11	p.Arg461Cys
JMH: -6 or JMHQ-	<i>JMH*01.-06</i>	c.1040G>T	9	p.Arg347Leu