

Names for XG (ISBT 012) Blood Group Alleles

General description: The XG blood group system consists of 2 antigens carried on 2 single-pass glycoproteins, encoded by the genes *XG* and *CD99*. The Xg and CD99 glycoproteins consist of 180 and about 186 amino acids, respectively.

Gene name: *XG*
Number of exons: 11 on X, 3 on Y
Initiation codon: Within exon 1
Stop codon: Exon 10
Entrez Gene ID: 7499
LRG sequence: NG_011627.1 (genomic)
NM_175569.2 (transcript)
Reference allele: *XG*01*
Acceptable: *XG*A*, or *Xg^a* if inferred by haemagglutination

Gene name: *CD99*
Number of exons: 10 on X and Y
Initiation codon: Within exon 1
Stop codon: Exon 10
Entrez Gene ID: 4267
LRG sequence: NG_009174.1 (genomic)
NM_002414.4 (transcript)
Reference allele: *CD99*01*

The molecular bases of Xg(a-) and CD99-negative phenotype have not been determined.