

## 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<sup>a</sup>* 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.