
EcoRI RFLP linked to the human *myb* gene

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SOURCE AND DESCRIPTION OF CLONE: a 2.6 kb human unique EcoRI fragment subcloned into pKH47 from a genomic recombinant phage isolated from a human fetal liver DNA library (Leprince et al., 1983).

POLYMORPHISM: EcoRI identifies a two allele system with two bands at 1.5 kb and 1.1 kb (A1) and one band at 2.6 kb (A2).

FREQUENCY: studied 49 unrelated European Caucasians

1.5 kb and 1.1 kb allele (A1) : 0.52
2.6 kb allele (A2) : 0.48

NOT POLYMORPHIC FOR: HindIII, BglII, BamHI, SstI and PstI with DNA from at least 5 unrelated subjects.

CHROMOSOMAL LOCALISATION: c-myb gene localised on the long arm of chromosome 6, at the region 6q22-q24, using in situ hybridisation (Harper et al., 1983).

MENDELIAN INHERITANCE: Co-dominant segregation shown in 1 informative family, 9 individuals.

PROBE AVAILABILITY: Available upon request.

OTHER COMMENTS: In the ML3 and COLO 201 cell-lines containing the c-myb amplification, we showed that the A1 allele is amplified.

REFERENCES: Leprince et al., (1983) EMBO J. 2, 1073-1078.
Harper, et al., (1983) Nature 304, 169-171.

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