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**An RFLP associated with pcDLeu2-14, a human T-cell differentiation antigen CD8 (Leu2) cDNA mapped to 2p12**


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A.M.Bowcock<sup>1</sup>, P.Kavathas<sup>2</sup>, R.F.Margolskee<sup>3</sup>, L.Herzenberg<sup>1</sup> and L.L.Cavalli-Sforza<sup>1</sup>

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<sup>1</sup>Department of Genetics, Stanford University, Stanford, CA 84305, USA, <sup>2</sup>Department of Laboratory Medicine and Human Genetics, Yale University Medical School, New Haven, CT 06510, USA and <sup>3</sup>Department of Biochemistry, Stanford University, Stanford, CA 94305, USA

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**SOURCE/DESCRIPTION:** pcDLeu2-14, a 2.2kb cDNA insert of CD8, derived from a cDNA expression library (vector pcD) (Okayama and Berg, 1983). The cDNA can be liberated from the vector with BamHI.

**POLYMORPHISM:** Dra I (TTT/AAA) (International Biotechnologies Inc.), identifies a simple two-allele polymorphism in Caucasoids with allelic fragments of 3.3 and 2.2kb. Constant bands are 4.8 and 1.5kb.

**FREQUENCY:** Studied 87 Northern European Caucasians:  
 3.3kb allele (A1) 0.74  
 2.7kb allele (A2) 0.26

**NOT POLYMORPHIC FOR:** ApaI, AvaII, BanII, BamHI, BclI, BglI, BglII, BspI286, EcoRI, EcoRV, HaeIII, HincII, HindIII, HinfI, KpnI, MboI, MboII, MspI, PstI, PvuII, SacI, Sau96I, ScaI, ScrFI, StuI, TthIII, XbaI, XmnI, with a panel of 6 unrelated Caucasians.

**CHROMOSOMAL LOCALISATION:** To 2p12 using a panel of somatic cell hybrids and by in situ hybridization. (Sukhatme et al, 1985).

**MENDELIAN INHERITANCE:** Co-dominant segregation shown in 7 large informative families (68 individuals)

**PROBE AVAILABILITY:** Available upon request from the American Type Culture Collection, 12301 Parklawn Drive, Rockville, Maryland 20852, U.S.A.

**OTHER COMMENTS:** Provisional linkage with the kappa light chain immunoglobulin region is being confirmed.

**REFERENCE:** Okayama, H. and Berg, P. (1983) *Molec. and Cell. Biol.* 3, 280-289.  
 Sukhatme et al (1985) *J. Exp. Med.* 161, 429-434.

