Two KpnI restriction fragment alleles of the human T-cell receptor delta (TRD) joining segment J2

P.Chuchana, Z.Soua, N.Ghanem, F.Brockly, G.Lefranc and M.-P.Lefranc

Laboratoire d'Immunogénétique, URA CNRS 1191, Université des Sciences et Techniques du Languedoc, Place E.Bataillon, 34060 Montpellier cedex 1, France

SOURCE/DESCRIPTION: TRDJ2 probe, R21XH (1), a 2.8 kb Xho I-Hind III fragment containing the TRDJ2 segment, subcloned in pUC.

POLYMORPHISM: Kpn I (GGTAC/C) identifies two allelic restriction fragments of 17.5 kb (TRDJ2*A1) and 20 kb (TRDJ2*A2).

FREQUENCY: TRDJ2*A1: 85% *A2: 15%
Studied in 27 unrelated healthy Caucasians.

NOT POLYMORPHIC FOR: EcoRI (4.5 + 5.1 kb), Hind III (3.1 kb) and Xba I (4.9 kb) (studied in 8 unrelated individuals).

CHROMOSOMAL LOCALIZATION: On chromosome 14 at band 14q11.

MENDELIAN INHERITANCE: Co-dominant segregation demonstrated in one family.

PROBE AVAILABILITY: Dr. T.H. Rabbitts

OTHER COMMENTS: Run on 0.8% agarose gels and hybridized under high stringency conditions.

REFERENCE: R. Baer, T. Boehm, H. Yssel, H. Spits and T.H. Rabbitts. EMBO J. 1988, 7, 1661-1668.