

Presence of a Hind III polymorphism in the J α region of the human TcR- α locus

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SOURCE/DESCRIPTION: A 3.6 Kb human lymphocyte BamHI fragment containing J α sequences from the TcR- α locus (1 3).

POLYMORPHISM: Hind III identifies a 5.0 Kb band in all individuals (fragment H₃-H₄), a 3.4 Kb(A₁) and/or a 2.7 Kb(A₂) polymorphic alleles. Individuals can be homozygous for both alleles.

FREQUENCY: Lymphocyte DNAs from 46 independent normal individuals (kindly supplied by the "Centre d'Etudes du Polymorphisme Humain", CEPH, Paris) were tested.
 - 3.4 Kb allele(A₁) : 0.37 - 2.7 Kb allele(A₂) : 0.63

NOT POLYMORPHIC FOR:
 Pvu II, BamHI

CHROMOSOMAL LOCALISATION: 14q11 (1)

MENDELIAN INHERITANCE: Yes

PROBE AVAILABILITY: available for collaborative studies.

OTHER COMMENTS: The frequency of both polymorphic alleles was not modified in a human leukemic population (including B- and T- cell ALL and lymphomas).

REFERENCE: 1. Mathieu-Mahul D. et al. (1985) Human Gene Mapping, Helsinki 1985, 691-692; 2. Mathieu Mahul D. et al. (1986) J. Exp. Med. 163,1308-1313; 3. Mathieu-Mahul et al.(1986) Int. J. Cancer 38, 835-840.

