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**Human T-cell receptor CD3- $\epsilon$  (CD3E) / TaqI DNA polymorphism**

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P.Charmley, O.Sanal<sup>1</sup>, S.Wei<sup>1</sup>, A.Chou<sup>1</sup>, C.Terhorst<sup>2</sup> and R.A.Gatti<sup>1</sup>

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Department of Microbiology and Immunology and <sup>1</sup>Department of Pathology, UCLA, Los Angeles, CA 90024 and <sup>2</sup>Laboratory of Molecular Immunology, Dana-Farber Cancer Institute, Boston, MA 02115, USA

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**SOURCE/DESCRIPTION:** 1.5 kb cDNA of the CD3-epsilon subunit of the human CD3 (T3) antigen/T-cell antigen receptor complex (1).

**POLYMORPHISM:** TaqI (TCGA) detects a single two-allele polymorphism with bands at either 8.7 kb or 8.1 kb.

**FREQUENCY:** Estimated from 107 unrelated Caucasians.

TaqI	8.7 kb allele:	0.67
	8.1 kb allele:	0.33

**NOT POLYMORPHIC FOR:** BamHI, BglII, EcoRV, MspI and PvuII using a panel of 12 unrelated individuals.

**CHROMOSOMAL LOCATION:** Assigned to human chromosome 11q23 by Southern blot analysis of human-rodent somatic cell hybrids, and by *in situ* hybridization (2).

**MENDELIAN INHERITANCE:** Co-dominant segregation of the TaqI alleles observed in 31 families (383 individuals). Genotypes occur in Hardy-Weinberg proportions.

**PROBE AVAILABILITY:** Request for probe to C. Terhorst at the above address.

**OTHER COMMENTS:** RFLPs were observed under normal hybridization and washing conditions.

**REFERENCES:** 1. D.P. Gold et al., *Nature* 321:431-434 (1986)  
2. D.P. Gold et al., *Proc. Natl. Acad. Sci.* 84:1664-1668 (1987)

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