Leukaemia Section

Short Communication

t(4;16)(q26;p13)

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Disease

T-cell lymphoma of the small intestine of low grade malignancy.

Phenotype / cell stem origin

CD3, CD4, TCR A-B phenotype.

Epidemiology

Only 1 case to date, a 28 year old male patient.

Cytogenetics

Cytogenetics morphological

Sole anomaly.

Genes involved and Proteins

IL2

Location: 4q26

DNA / RNA

3 exons.

Protein

Role in mediation of the immune system; member of the IL2 family of cytokines; binds to and signals through a receptor complex consisting of IL2Ralpha, IL2Rbeta, and gamma chain; T-cell growth factor.

TNFRSF17

Location: 16p13.1

DNA / RNA

3 exons.

Protein

Role in mediation of the immune system; member of the TNF-receptor superfamily; binds to TNFSF13B/BAFF/BLys and TNFSF13/APRIL; promotes B-cell survival.

Results of the chromosomal anomaly

Hybrid gene

Description

5' IL2 - 3' TNFRSF17; breakpoint in intron 3 of IL2.

References


This article should be referenced as such: