

IGH-CCND3 Fusion/Translocation FISH Probe Kit

Introduction

The IGH-CCND3 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *IGH* locus and the *CCND3* gene located on chromosome bands 14q32.33 and 6p21.1, respectively. Rearrangements between the two regions have been observed in several types of hematological malignancies.

Intended Use

To detect rearrangements involving the human *IGH* locus and *CCND3* gene located on chromosome bands 14q32.33 and 6p21.1, respectively.

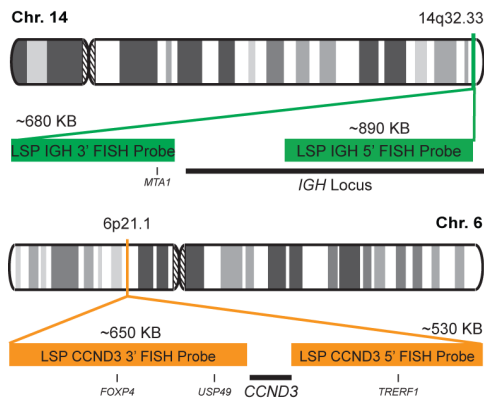
Cont.

LSP IGH 5'-3' FISH Probe
LSP CCND3 5'-3' FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP IGH 5'-3' FISH Probe covers the 5' and the center sequences of the *IGH* locus, and it also covers the 3' (end) part and the neighboring downstream region. LSP CCND3 5' FISH Probe covers the 5' (start) portion of the *CCND3* gene and some adjacent genomic sequences. LSP CCND3 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The probe set is optimized to reveal translocations between the two regions.

Cat. No.

CT-PAC188-10-GO

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2O + 2G*

Abnormal Pattern

Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) Sonoki T, et al. *Blood*. 98(9):2837-44 (2001).
- 2) Shaughnessy J Jr, et al. *Blood*. 98(1):217-23 (2001).
- 3) Pruneri G, et al. *J Pathol*. 200(5):596-601 (2003).
- 4) Pruneri G, et al. *Int J Cancer*. 112(1):71-7 (2004).
- 5) Fabris S, et al. *Genes Chromosomes Cancer*. 42(2):117-27 (2005).



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