

IGH/CCP14 FISH Probe Kit

Introduction

The IGH/CCP14 FISH Probe Kit is designed to detect the human IGH gene located on chromosome band 14q32.33, along with the number of chromosome 14 copies per cell. Abnormal expression, mutations or rearrangements of the IGH gene – also known as IGD1, IGH@, IGHJ, IGHV, IGHD@, IGHJ@, IGHV@, IGH.1@ or IGHDY1 – has been observed in many acute and chronic hematological malignancies.

Intended Use

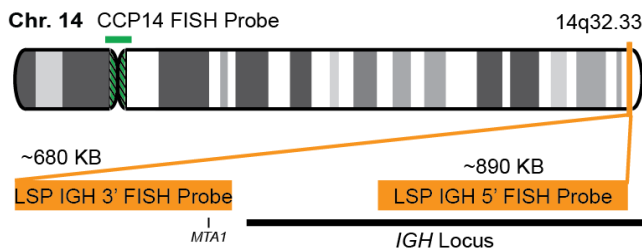
To detect the human *IGH* gene located on chromosome band 14q32.33, along with the number of chromosome 14 copies per cell.

Cont.

Color

LSP IGH 5'-3' FISH Probe CytoOrange
CCP14 (Pericentromeric) FISH Probe CytoGreen

Probe Design



LSP IGH 5'-3' FISH Probe covers the 5' region of the *IGH* locus and the sequences downstream to the 3' end of the locus. CCP14 FISH Probe is designed to serve as a control to determine the number of chromosome 14 copies per cell.

Not to Scale

Cat. No.

Volume

CT-PAC279-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G

Abnormal Patterns

Other Patterns

- 1) Croce CM, et al. *Proc Natl Acad Sci U S A*. 276(7):3416-9 (1979).
- 2) Kirsch IR, et al. *Science*. 216(4543):301-3 (1982).
- 3) Buluwela L, et al. *EMBO J*. 7(7):2003-10 (1988).
- 4) Ravetch JV, et al. *Cell*. 27(3 Pt 2):583-91 (1981).
- 5) Lefranc MP, et al. *Mol Biol Med*. 1(2):207-17 (1983).

* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.

DCN032

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