

CCND1/CCP11 FISH Probe Kit

Introduction

The CCND1/CCP11 FISH Probe Kit is designed to detect the human *CCND1* gene located on chromosome band 11q13.3, along with the number of chromosome 11 copies per cell. Abnormal expression of the *CCND1* gene – also known as *BCL1*, *D11S287E*, *PRAD1*, or *HU21B31* – has been observed in breast carcinoma and a number of other malignancies.

Intended Use

To measure the copy number of the human *CCND1* gene located on chromosome band 11q13.3.

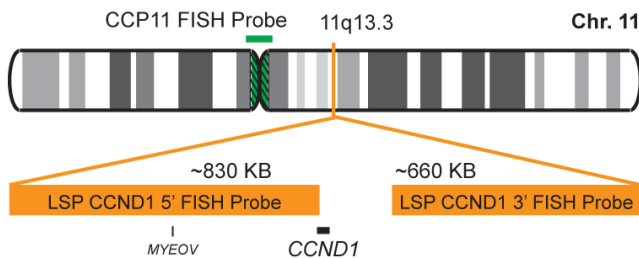
Cont.

LSP CCND1 5'-3' FISH Probe
CCP11 FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP CCND1 5' FISH Probe covers some genomic sequences adjacent to the 5' (start) portion of the *CCND1* gene, and LSP CCND1 3' FISH Probe covers sequences downstream of the 3' end of the gene. CCP11 FISH Probe, derived from chromosome 11-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 11 copies per cell.

Cat. No.

CT-PAC189-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

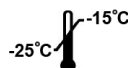
Normal Pattern

2O + 2G

Abnormal Pattern

Other Patterns

- Schuuring E, et al. *Cancer Res.* 52(19):5229-34 (1992).
- Katz RL, et al. *Am J Clin Pathol.* 114(2):248-57 (2000).
- Bièche I, et al. *Br J Cancer.* 86(4):580-6 (2002).
- Ormandy CJ, et al. *Breast Cancer Res Treat.* 78(3):323-35 (2003).
- Jirström K, et al. *Cancer Res.* 65(17):8009-16 (2005).



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