

CCND3 Break Apart FISH Probe Kit

Introduction

The CCND3 Break Apart FISH Probe Kit is designed to detect rearrangements in the human CCND3 gene located on chromosome band 6p21.1. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other CCND3 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the CCND3 gene have been observed in several types of hematological malignancies such as multiple myeloma (MM), chronic lymphocytic leukemia (CLL), acute lymphoblastic leukemia (ALL), acute myeloid leukemia (AML) and others.

Intended Use

To detect rearrangements in the human *CCND3* gene located on chromosome band 6p21.1.

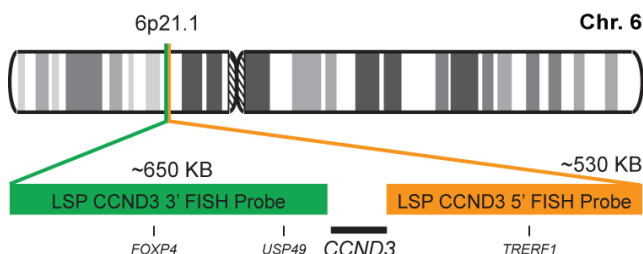
Cont.

Color

LSP CCND3 5' FISH Probe
LSP CCND3 3' FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP CCND3 5' FISH Probe covers some genomic sequences adjacent to the 5' (start) portion of the *CCND3* gene. LSP CCND3 3' FISH Probe covers sequences downstream of the 3' end of the gene. The two probes are flanking sequences across the *CCND3* gene in which various breakpoints have been observed.

Cat. No.

Volume

CT-PAC187-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) Hideshima T, et al. *Blood*. 104(3):607-18 (2004).
- 2) Otero MD, et al. *Genes Chromosomes Cancer*. 31(2):134-42 (2001).
- 3) Sonoki T, et al. *Blood*. 98(9):2837-44 (2001).
- 4) Pruneri G, et al. *J Pathol*. 200(5):596-601 (2003).
- 5) Fabris S, et al. *Genes Chromosomes Cancer*. 42(2):117-27 (2005).

* 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

© CytoTest Inc.



CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA