

IGK-MYC Dual Fusion/Translocation LR FISH Probe Kit

Introduction

The IGK-MYC Dual Fusion/Translocation LR (long-range) FISH Probe Kit is designed to detect rearrangements involving the human IGK and MYC genes, located on chromosome bands 2p11.2 and 8q24.21, respectively. IGK is also known as IGK@. MYC is also known as MRTL, MYCC, c-Myc or bHLHe39. Rearrangements involving portions of these two genes have been observed in several B-cell lymphoma subtypes, especially Burkitt lymphoma, and other malignancies.

Intended Use

To detect rearrangements between the human *IGK* and *MYC* genes, located on chromosome bands 2p11.2 and 8q24.21, respectively.

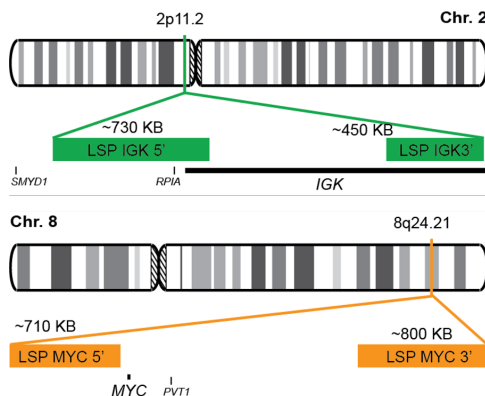
Cont.

LSP IGK 5'-3' FISH Probe
LSP MYC 5'-3' LR FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



LSP IGK 5'-3' FISH Probe covers the 5' (start) portion and 3' (end) of the *IGK* locus and some adjacent genomic regions. The probe is flanking sequences across the *IGK* locus in which variable breakpoints have been observed. LSP MYC 5'-3' LR FISH Probe covers a genomic area upstream (5') of the *MYC* gene, the other matching sequences downstream (3') of the gene. The probe is designed to recognize sequences on both sides of an area in the 5' regulatory region of the *MYC* gene where breakpoints are frequently found.

Cat. No.

CT-PAC231-10-GO

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Barbé V, Lefranc MP. *Exp Clin Immunogenet.* 15(3):171-83 (1998).
- 2) Malcolm S, et al. *Proc Natl Acad Sci U S A.* 79(16):4957-61 (1982).
- 3) Martin-Subero JI, et al. *Int J Cancer.* 98(3):470-4 (2002).
- 4) Einerson RR, et al. *Leukemia.* 20(10):1790-9 (2006).
- 5) Türkmen S, et al. *Genes Chromosomes Cancer.* 53(8):650-6 (2014).

* 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.

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