

IGL-MYC Dual Fusion/Translocation LR FISH Probe Kit

Introduction

The IGL-MYC Dual Fusion/Translocation LR (long-range) FISH Probe Kit is designed to detect rearrangements involving the human IGL and MYC genes, located on chromosome bands 22q11.22 and 8q24.21, respectively. IGL is also known as IGL@ or IGLC6. 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 *IGL* and *MYC* genes, located on chromosome bands 22q11.22 and 8q24.21, respectively.

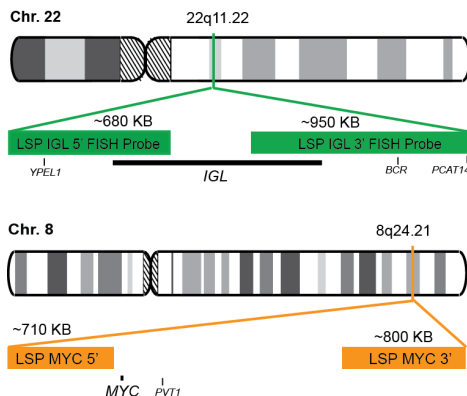
Cont.

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

Color

CytoGreen
CytoOrange

Probe Design



LSP IGL 5'-3' FISH Probe covers the 5' (start) portion and 3' (end) of the *IGL* 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-PAC232-10-GO

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

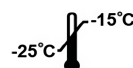
- 1) Vasicek TJ, Leder P. *J. Exp. Med.* 172(2):609-20 (1980).
- 2) Wlodarska I, et al. *Genes Chromosomes Cancer* 20(2):113-9 (1997).
- 3) Martin-Subero JI, et al. *Int. J. Cancer* 98(3):470-4 (2002).
- 4) Einerson RR, et al. *Leukemia* 20(10):1790-9 (2006).
- 5) Rocha CK, et al. *Mol. Cytogenet.* 4(1):8 (2011).

* 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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