

MYB Break Apart FISH Probe Kit

Introduction

The MYB Break Apart FISH Probe Kit is designed to detect rearrangements in the human MYB gene located on chromosome band 6q23.3. 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 MYB aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the MYB gene – also known as efg, Cmyb, c-myb or c-myb_CDS – have been observed in acute and lymphoid leukemias, colorectal, breast and other solid tumors and malignancies.

Intended Use

To detect rearrangements in the human MYB gene located on chromosome band 6q23.3.

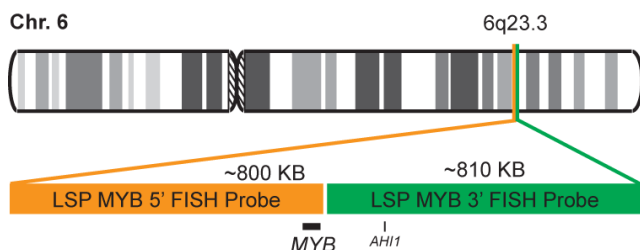
Cont.

Color

LSP MYB 5' FISH Probe
LSP MYB 3' FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

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

Cat. No.

Volume

CT-PAC055-10-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) Kauraniemi P, et al. *Cancer Res.* 60(19):5323-8 (2000).
2) Clappier E, et al. *Blood.* 110(4):1251-61 (2007).
3) Greig KT, et al. *Semin Immunol.* 20(4):247-56 (2008).
4) Ramsay RG & Gonda TJ. *Nat Rev Cancer.* 8(7):523-34 (2008).
5) Murati A, et al. *Leukemia.* 23(1):85-94 (2009).

* 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.