

RBM15-MKL1 Dual Fusion/Translocation FISH Probe Kit

Introduction

The RBM15-MKL1 Dual Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human RBM15 and MKL1 genes, located on chromosome bands 1p13.3 and 22q13.1, respectively. RBM15 is also known as OTT, OTT1 or SPEN. MKL1 is also known as KIAA1438, MAL, MKL, BSAC or MRTF-A. Rearrangements involving portions of both genes have been observed in acute megakaryocytic leukemia and other hematological and solid tumor types.

Intended Use

To detect rearrangements involving the human *RBM15* and *MKL1* genes, located on chromosome bands 1p13.3 and 22q13.1, respectively.

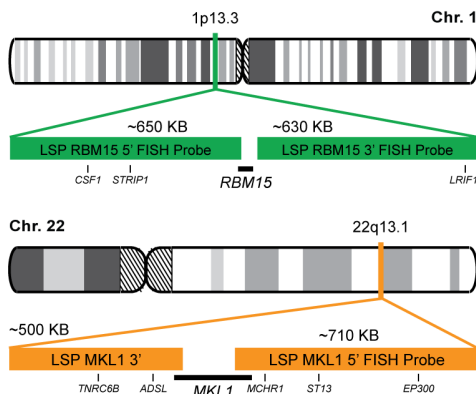
Cont.

Color

LSP RBM15 5'-3' FISH Probe
LSP MKL1 5'-3' FISH Probe

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP RBM15 5'-3' FISH Probe and LSP MKL1 5'-3' FISH Probe cover the 5' (start) and 3' (end) portion and some adjacent genomic sequences of the *RBM15* and *MKL1* genes, respectively. The two probes are flanking sequences across the *RBM15* and *MKL1* genes in which variable breakpoints have been observed.

Cat. No.

Volume

CT-PAC334-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G

Abnormal Patterns

Other Patterns

- Mercher T, et al. *Proc. Natl. Acad. Sci. USA* 98(10):5776-9 (2001).
- Torres, L, et al. *Pediatr. Blood Cancer* 56(5):846-9 (2011).
- Nakano, Y, et al. *Glob. Pediatr. Health* Jan 24;4:2333794X16689011 (2017).
- Ailyón, V, et al. *Stem Cell Res.* 19:1-5 (2017).
- Margolskee, E, et al., *Am. J. Case Rep.* 18:422-426 (2017).

* 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.

www.cytotest.com



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

V2023.06.02

T-07-10-PAC334-GO-EN