

RB1/DLEU1/LAMP1 FISH Probe Kit

Introduction

The RB1/DLEU1/LAMP1 FISH Probe Kit is designed to simultaneously detect the human *RB1*, *DLEU1* and *LAMP1* genes, located on chromosome band 13q14.2, 13q14.2 and 13q34, respectively. Deletions of varying lengths and other abnormalities in the locus for these three genes have been observed in lymphoid and myeloid leukemias as well as a number of solid tumor types.

Intended Use

To detect the human *RB1*, *DLEU1* and *LAMP1* genes, located on chromosomes band 13q14.2, 13q14.2 and 13q34, respectively.

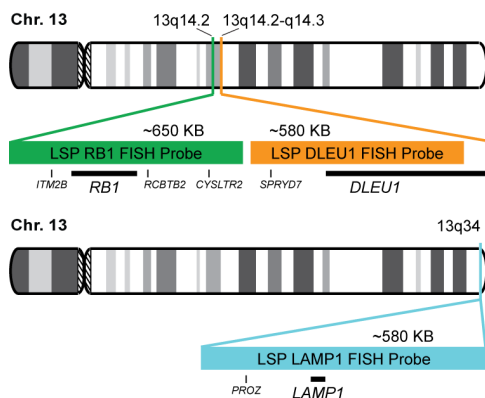
Cont.

LSP RB1 FISH Probe
LSP DLEU1 FISH Probe
LSP LAMP1 FISH Probe

Color

CytoGreen
CytoOrange
CytoAqua

Probe Design



Not to Scale

LSP RB1 FISH Probe covers a chromosomal region which includes the entire *RB1* gene. LSP DLEU1 FISH Probe covers a chromosomal region which includes much of the *DLEU1* gene. LSP LAMP1 FISH Probe covers the *LAMP1* gene and sequences upstream and downstream of it. The probe set is optimized to reveal abnormalities in the three gene regions.

Cat. No.

CT-PAC412-10-GOA

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G2A*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Elnenaei MO, et al. *Genes Chromosomes Cancer*. 36(1):99-106 (2003).
2) Stevens-Kroef M, et al. *Cancer Genet Cytogenet*. 195(2):97-104 (2009).
3) Taya Y. *Trends Biochem Sci*. 22(1):14-7 (1997).
4) Tsimberidou AM, et al. *Cancer*. 115(2):373-80 (2009).
5) Caraway NP, et al. *Cancer*. 2008 Oct 25;114(5):315-22 (2008).

* 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.