

DLEU1/ZBTB16 FISH Probe Kit

Introduction

The DLEU1/ZBTB16 FISH Probe Kit is designed to detect the human *DLEU1* gene, located on chromosome band 13q14.2, and the *ZBTB16* gene on chromosome band 11q23.2. Rearrangements and abnormal expression of the *DLEU1* gene region – also known as *BCMS*, *DLB1*, *LEU1*, *LEU2*, *XTP6*, *BCMS1*, *DLEU2*, *LINC00021* or *NCRNA00021* – have been observed in B-cell chronic lymphocytic leukemia (CLL), multiple myeloma (MM) and other malignancies. Fusions and aberrant expression of the *ZBTB16* gene – also known as *PLZF* or *ZNF145* – have been reported in acute promyelocytic leukemia and other neoplasias.

Intended Use

To measure the copy number of the human *DLEU1* and *ZBTB16* genes located on chromosome bands 13q14.2 and 11q23.2, respectively.

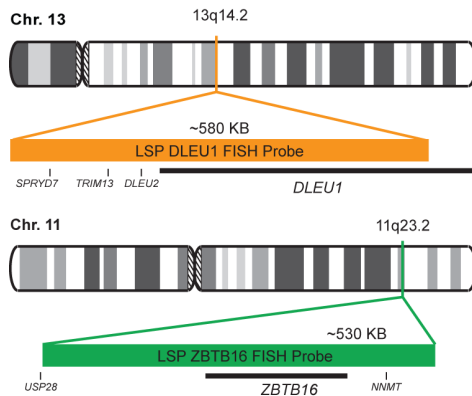
Cont.

LSP DLEU1 FISH Probe
LSP ZBTB16 FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



LSP DLEU1 FISH Probe covers a chromosomal region which includes the majority of the *DLEU1* gene and genomic sequences adjacent to the 5' end of the gene. LSP ZBTB16 FISH Probe covers a chromosomal region which includes the entire *ZBTB16* gene.

Cat. No.

CT-PAC161-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2O + 2G

Abnormal Pattern

Other Patterns

- 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) Konialis C, et al. *Hematology*. 19(4):217-24 (2014).
- 4) Chen SJ, et al. *J Clin Invest*. 91(5):2260-7 (1993).
- 5) Licht JD, et al. *Oncogene*. 12(2):323-36 (1996).



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* 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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