

KMT2A-AFF1 Fusion/Translocation FISH Probe Kit

Introduction

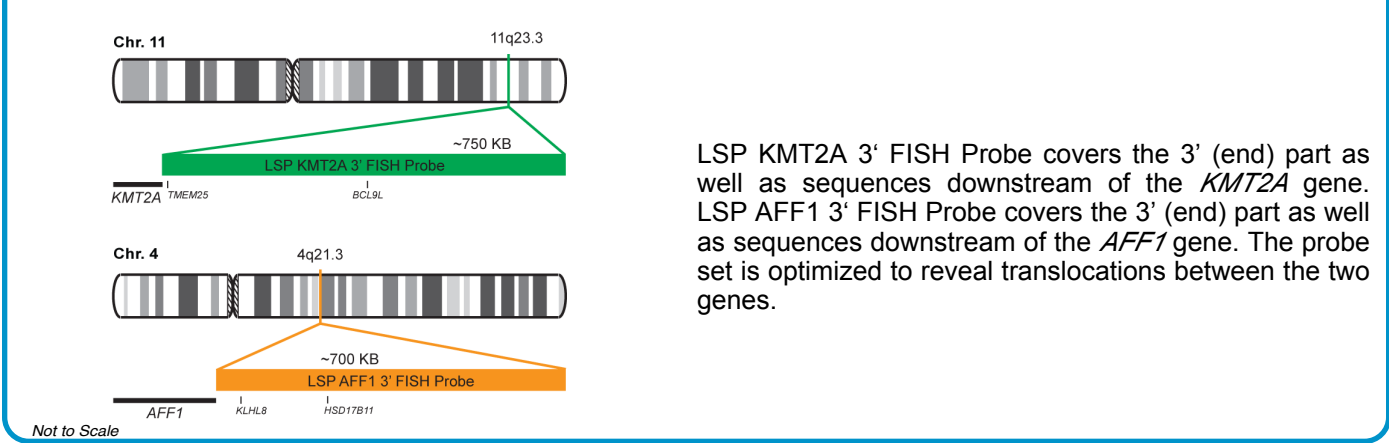
The KMT2A-AFF1 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *KMT2A* and *AFF1* genes located on chromosome bands 11q23.3 and 4q21.3, respectively. Rearrangements between the two genes, the *KMT2A* gene – also known as *HRX*, *MLL*, *MLL1*, *TRX1*, *ALL-1*, *CXXC7*, *HTRX1*, *MLL1A*, *WDSTS*, *MLL/GAS7* or *TET1-MLL* – and the *AFF1* gene – also called *AF4*, *PBM1* or *MLL2*, have been observed in acute leukemias and other malignancies.

Intended Use

To detect rearrangements involving the human *KMT2A* and *AFF1* genes located on chromosome bands 11q23.3 and 4q21.3, respectively.

Cont.	Color
LSP KMT2A 3' FISH Probe LSP AFF1 3' FISH Probe	CytoGreen CytoOrange

Probe Design



LSP KMT2A 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the *KMT2A* gene. LSP AFF1 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the *AFF1* gene. The probe set is optimized to reveal translocations between the two genes.

Cat. No.	Volume
CT-PAC307-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2O + 2G*	<u>Abnormal Pattern</u> Other Patterns
*Overlapping orange and green signals can appear as yellow.	

1) Gu Y, et al. *Cell*. 71(4):701-8 (1992).
 2) Young BD & Saha V. *Cancer Surv.* 28:225-45 (1996).
 3) Bernard OA & Berger R. *Genes Chromosomes Cancer*. Jun;13(2):75-85 (1995).
 4) Rubnitz JE, et al. *Leukemia*. 10(1):74-82 (1996).
 5) Nilson I, et al. *Br J Haematol*. 98(1):157-69 (1997).



* 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.